RHI | SEPT 2024

PROJECT ID: 1602-10-71

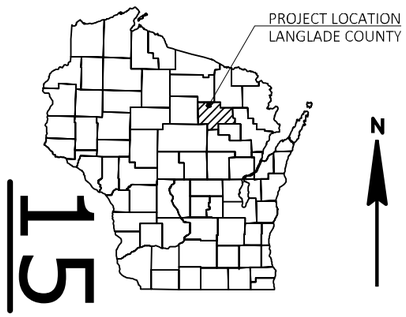
WITH: N/A

COUNTY: LANGLADE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control Details)
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
~~Section No.~~	~~8~~	~~Structure Plans~~
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 316



DESIGN DESIGNATION

A.A.D.T.	(2023)	=	4,500
A.A.D.T.	(2043)	=	5,200
D.H.V.		=	0.5
D.D.		=	1.0
T.		=	18.8%
DESIGN SPEED		=	35 MPH
ESALS		=	1,900,000

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'FR')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

T ELCHO, ANTIGO STREET

CLINIC STREET TO OTTER LAKE LANE

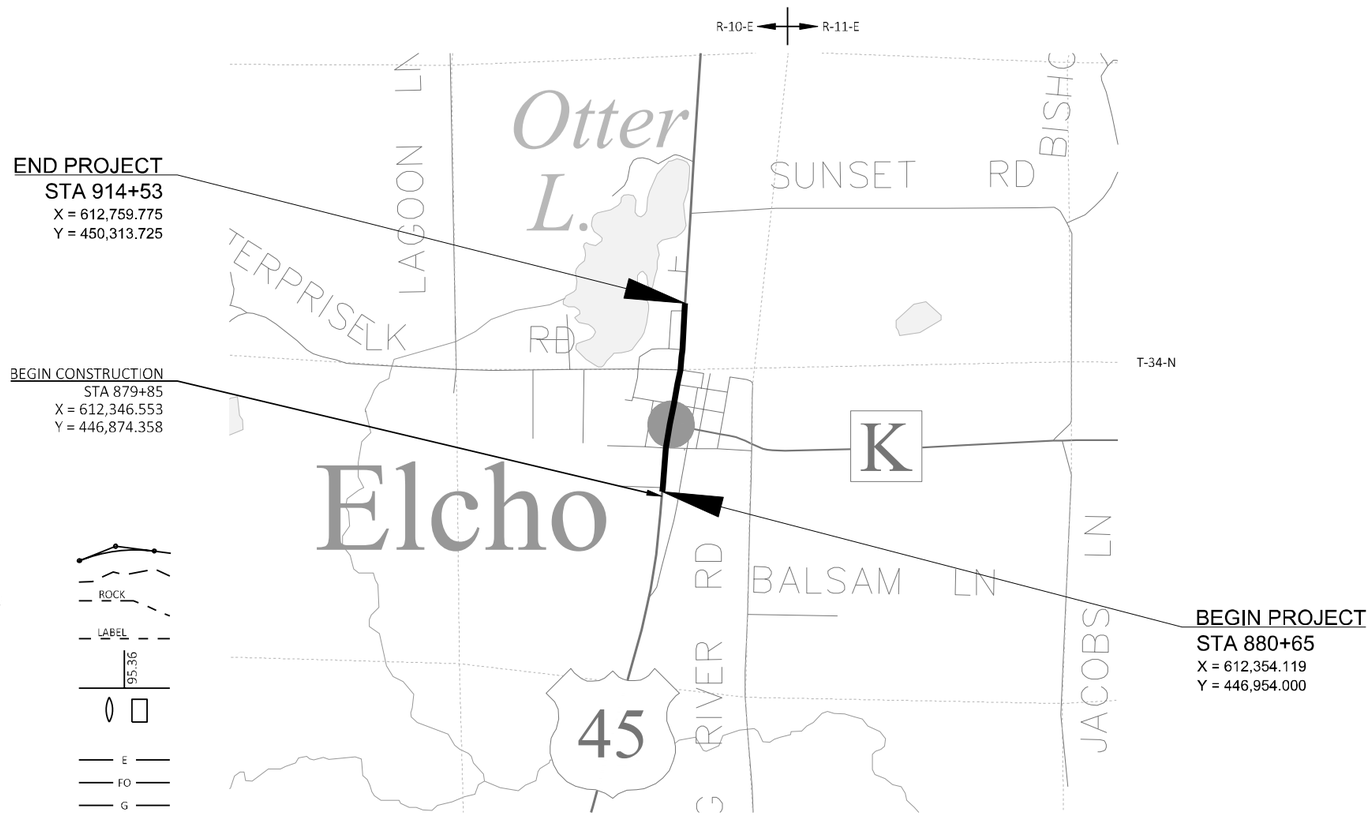
USH 45

LANGLADE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1602-10-71	———	———

STATE PROJECT NUMBER

1602-10-71



END PROJECT
STA 914+53
X = 612,759.775
Y = 450,313.725

BEGIN CONSTRUCTION
STA 879+85
X = 612,346.553
Y = 446,874.358

BEGIN PROJECT
STA 880+65
X = 612,354.119
Y = 446,954.000

LAYOUT

SCALE 0 0.5 MI

TOTAL NET LENGTH OF CENTERLINE = 0.642 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), LANGLADE COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

ORIGINAL PLANS PREPARED BY

MSA

1835 North Stevens St, Rhinelander WI 54501
(715) 362-3244 www.msa-ps.com

© MSA Professional Services, Inc.

WISCONSIN SEAN M. SPROMBERG E-37771-008 SCHOFIELD, WI PROFESSIONAL ENGINEER

DATE: 4/15/2024 (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT
Designer	MSA PROFESSIONAL SERVICES, INC.
Project Manager	ANDREW CASPER
Regional Examiner	FRED SCHUNKE
Regional Supervisor	KAI KILEN

APPROVED FOR THE DEPARTMENT

DATE: 4/15/2024 *Andrew Casper* (Signature)

E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\010101-TI.DWG PLOT DATE : 1/26/2024 10:16 AM PLOT BY : SHAWN DOLENS PLOT NAME :

GENERAL NOTES

PAVEMENT REMOVAL WILL BE TO THE NEAREST JOINT OR A SAWED EDGE.

NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

CONSTRUCT INSIDE EDGE OF SIDEWALK 0.04' HIGHER THAN TOP OF CURB WHEN THEY ARE ADJACENT TO EACH OTHER.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BY OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

PURSUANT TO CHAPTER 59 OF THE WISCONSIN STATUTES, THE CONTRACTOR SHALL CAREFULLY MAKE A SEARCH FOR EVIDENCE OF A LANDMARK IN ALL AREAS WHERE SUCH A LANDMARK MAY EXIST.

SECTION 2 ORDER

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
INTERSECTION DETAILS
CURB RAMP DETAILS
PAVING DETAILS
EROSION CONTROL
STORM SEWER
CONDUIT PLAN
PERMANENT SIGNING
PAVEMENT MARKING
TRAFFIC CONTROL PEDESTRIAN ACCOMMODATIONS
TRAFFIC CONTROL

WDNR CONTACT

WENDY HENNIGES
107 SUTLIFF AVENUE
RHINELANDER, WI, 54501
PHONE: (715) 365-8916 (WORK)
EMAIL: WENDY.HENNIGES@WISCONSIN.GOV

UTILITY CONTACTS

ASTREA - COMMUNICATION LINE
ANDREW HEIGL
105 KENT STREET
P.O. BOX 190
IRON MOUNTAIN, MI 49801
PHONE: (906) 776-2609 (OFFICE)
PHONE: (906) 221-7536 (CELL)
EMAIL: ANDY.HEIGL@ASTREACONNECT.COM

ELCHO SANITARY DISTRICT NO 1 - SEWER
RYAN SIEMERS
P.O. BOX 86
ELCHO, WI 54428
PHONE: (715) 216-0678 (WORK)
EMAIL: RYANELCHOCO@YAHOO.COM

ELCHO SANITARY DISTRICT NO 1 - WATER
RYAN SIEMERS
P.O. BOX 86
ELCHO, WI 54428
PHONE: (715) 216-0678 (WORK)
EMAIL: RYANELCHOCO@YAHOO.COM

FRONTIER COMMUNICATIONS
BIMAL KOHLI
1222 VINE STREET, SUITE 301
PASO ROBLES, CA 93446
PHONE: (763) 317-8414
EMAIL: BKOHLI@PEARCE-SERVICES.COM

WISCONSIN PUBLIC SERVICE - ELECTRICITY
DON LUTZLOW
P.O. BOX 1166
WAUSAU, WI 54402
PHONE: (715) 848-7487 (OFFICE)
PHONE: (507) 848-4211 (CELL)
EMAIL: DONALD.LUTZLOW@WISCONSINPUBLICSERVICE.COM

WISCONSIN PUBLIC SERVICE - GAS/PETROLEUM
SHANE SARKKINEN
2027 NAVAJO STREET
RHINELANDER, WI 54501
PHONE: (715) 369-7133 (OFFICE)
PHONE: (715) 966-1040 (CELL)
EMAIL: SHANE.SARKKINEN@WISCONSINPUBLICSERVICE.COM

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS:	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF:	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE TURF:			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT:	.70 - .95											
CONCRETE:	.80 - .95											
BRICK:	.70 - .80											
DRIVES, WALKS:	.75 - .85											
ROOFS:	.75 - .95											
GRAVEL ROADS, SHOULDERS:	.40 - .60											

TOTAL PROJECT AREA = 6.0 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 5.5 ACRES

* - NOT A MEMBER OF DIGGERS HOTLINE

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

2

2

CLINIC ST

COLE ST

MINOLA ST

RUMMEL ST

OWANO ST

ELCHO SCHOOL DISTRICT

CTH B / ENTERPRISE LAKE RD

N

MATCH LINE STA 904+00

BEGIN PROJECT
STA 880+65

880+00

885+00

890+00

895+00

900+00

USH 45 / STH 47 / ANTIGO ST

BEGIN CONSTRUCTION
STA 879+85

ON STREET
PARKING

TOWN OF ELCHO

ALLEY ST

CTH K / RUMMEL ST

COLE ST

OWANO ST

ELCHO ST

DORR ST

LEGEND

SENSITIVE AREA

APPROXIMATE LIMITS OF PETROLEUM CONTAMINATED GROUNDWATER AND/OR CHLORINATED SOLVENT CONTAMINATED GROUNDWATER

APPROXIMATE LIMITS OF PETROLEUM CONTAMINATED SOIL

N

OTTER LAKE

SENSITIVE AREA

BLUEBIRD ST

BLUEBIRD ALLEY

BLUEBIRD ALLEY

OTTER LAKE LN

ELM ST

MATCH LINE STA 904+00

905+00

910+00

915+00

920+00

USH 45 / STH 47 / ANTIGO ST

END PROJECT
STA 914+53

SUNSET RD

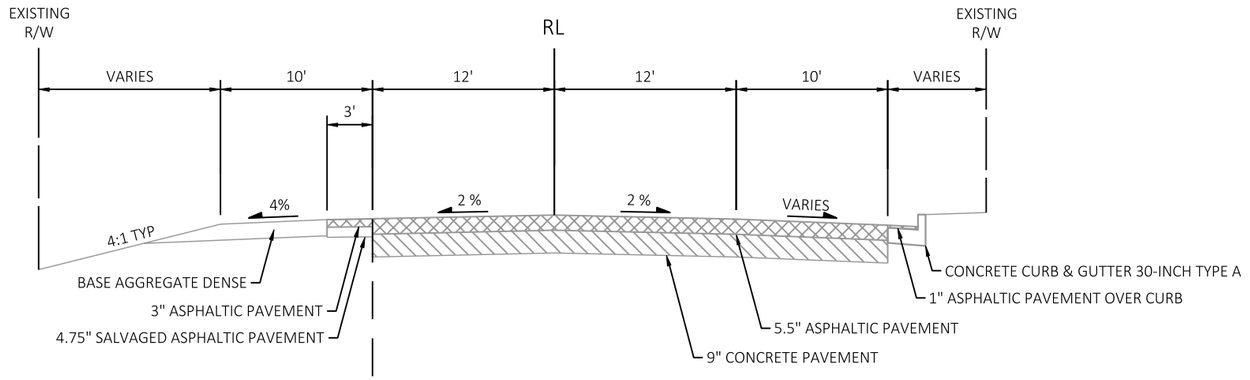
PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 020201-po

PLOT DATE : 3/30/2024 11:23 AM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:200 FT

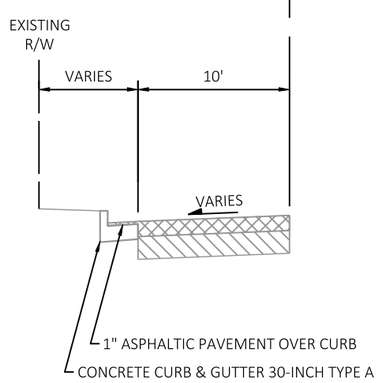
WISDOT/CADDS SHEET 44

2



EXISTING TYPICAL SECTION

STA 880+65 - STA 889+90

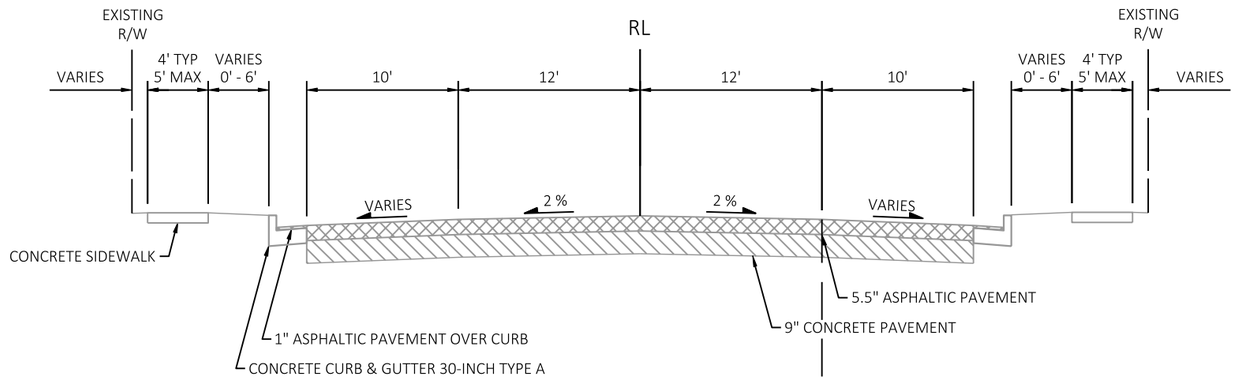


USH 45

STA 886+02 - STA 889+90

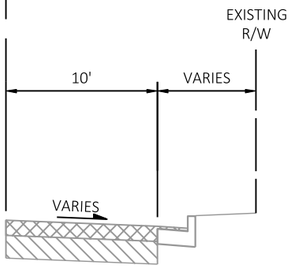
PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	TYPICAL SECTIONS	SHEET 4	E

2



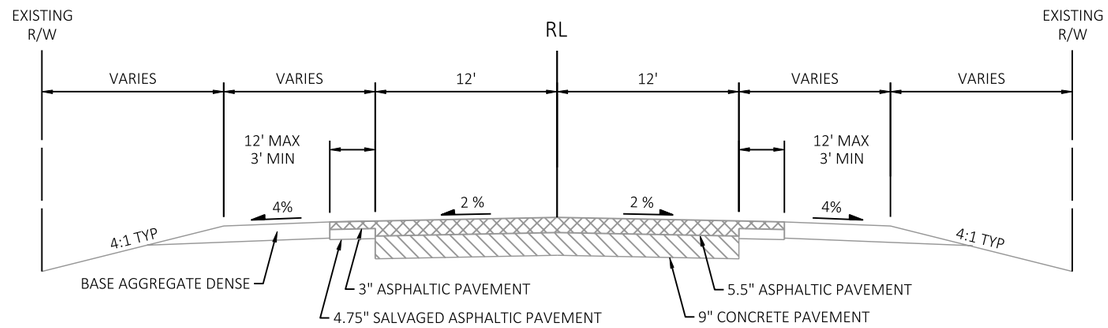
EXISTING TYPICAL SECTION

STA 889+90 - STA 912+63



USH 45

STA 900+58 - STA 909+24
STA 906+94 - STA 912+63

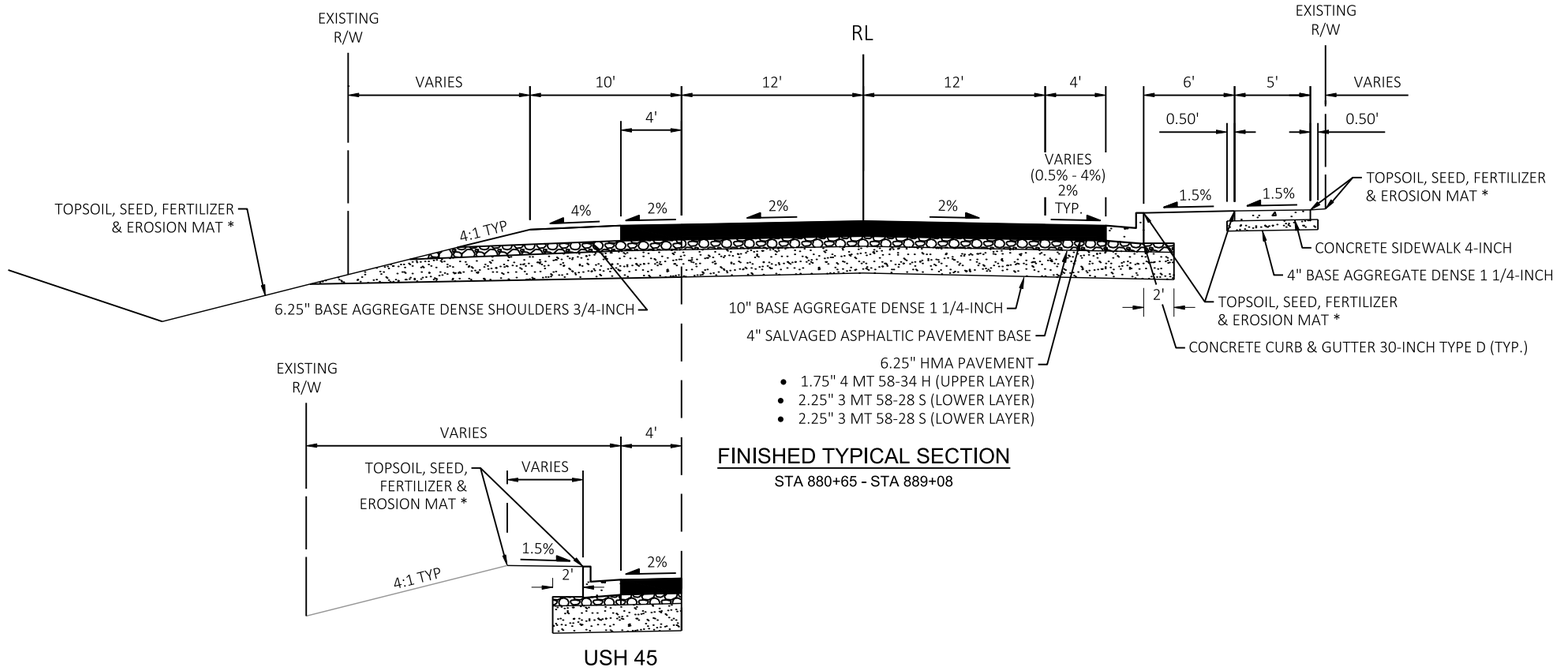


EXISTING TYPICAL SECTION

STA 912+63 - 914+53

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	TYPICAL SECTIONS	SHEET 5	E

2

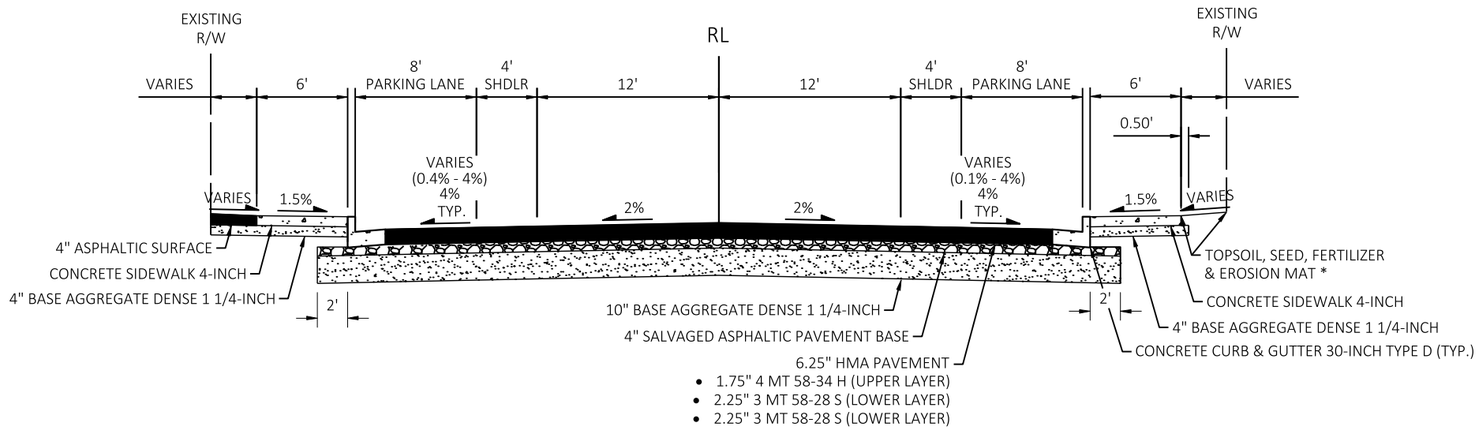


FINISHED TYPICAL SECTION

STA 880+65 - STA 889+08

USH 45

STA 881+66 - STA 882+38
STA 886+00 - STA 889+08



FINISHED TYPICAL SECTION

STA 889+08 - STA 892+96

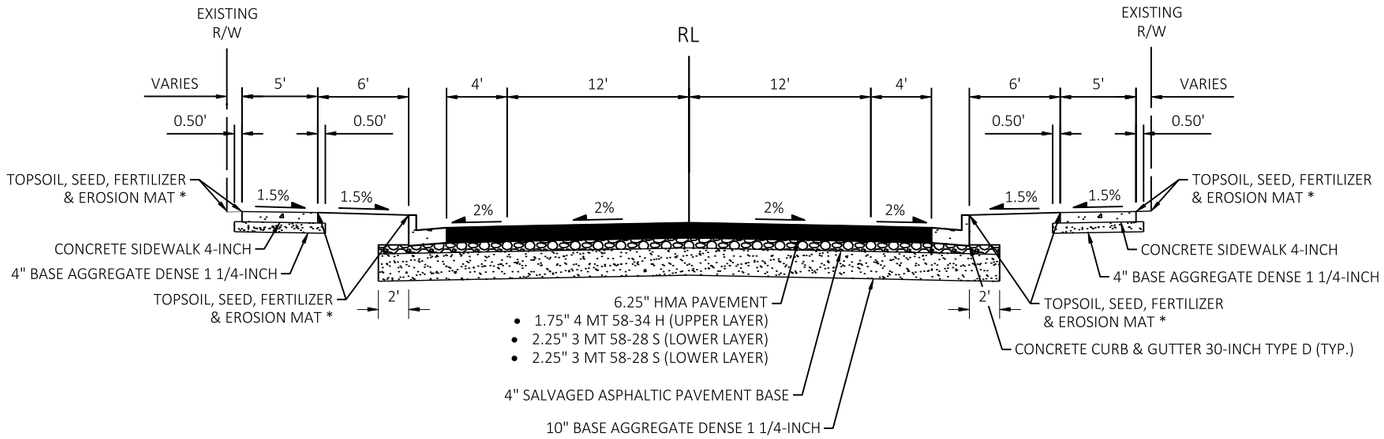
NOTES

* SEE EROSION CONTROL PLANS AND MISCELLANEOUS QUANTITIES FOR ADDITIONAL INFORMATION.

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	TYPICAL SECTIONS	SHEET 6	E

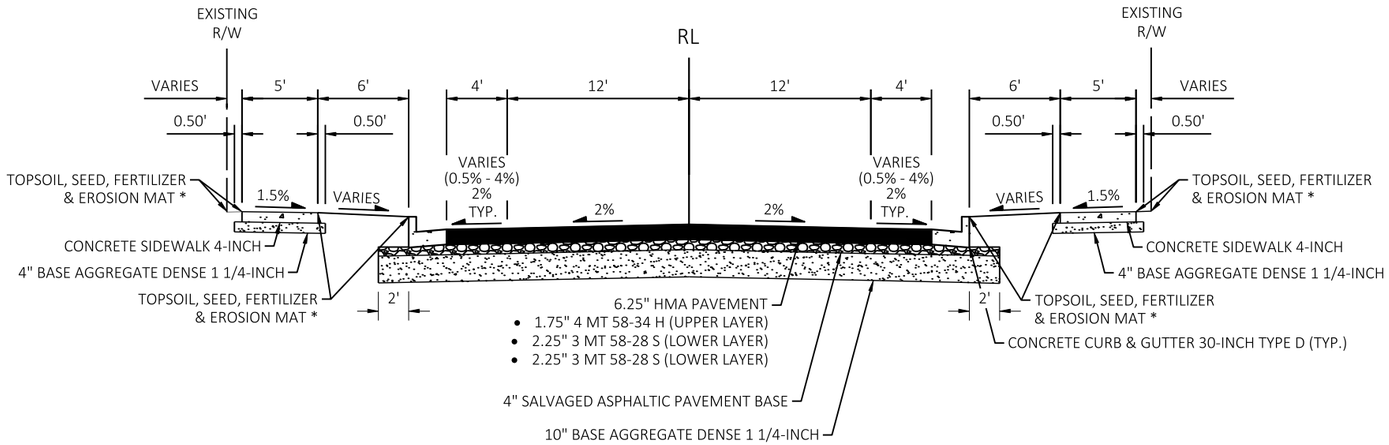
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LAYOUT NAME - 020304-ts

PLOT DATE : 3/28/2024 1:17 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT



FINISHED TYPICAL SECTION

STA 892+96 - STA 894+58



FINISHED TYPICAL SECTION

STA 894+58 - STA 900+71

NOTES

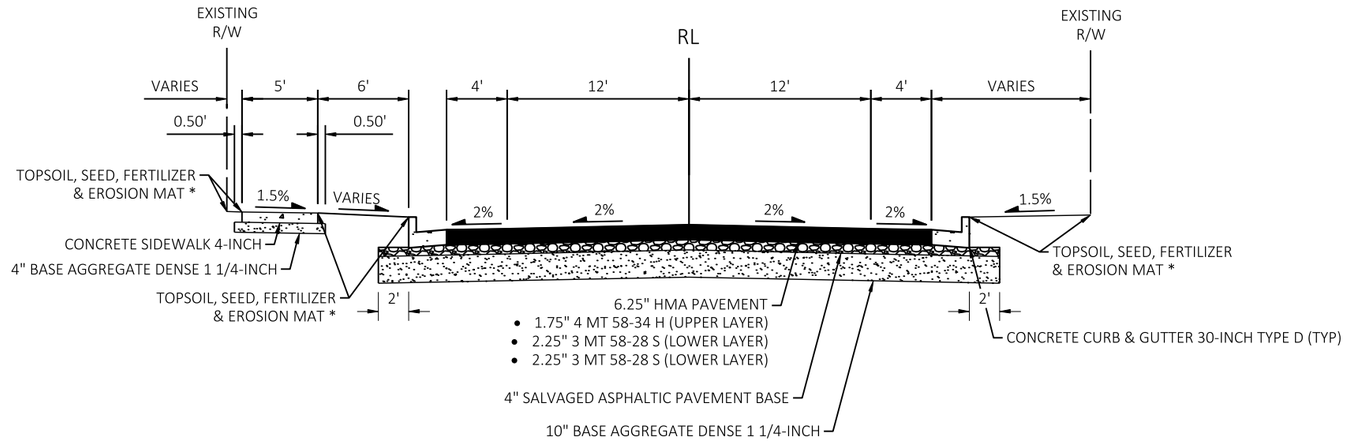
* SEE EROSION CONTROL PLANS AND MISCELLANEOUS QUANTITIES FOR ADDITIONAL INFORMATION.

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	TYPICAL SECTIONS	SHEET 7	E

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LAYOUT NAME - 020305-ts

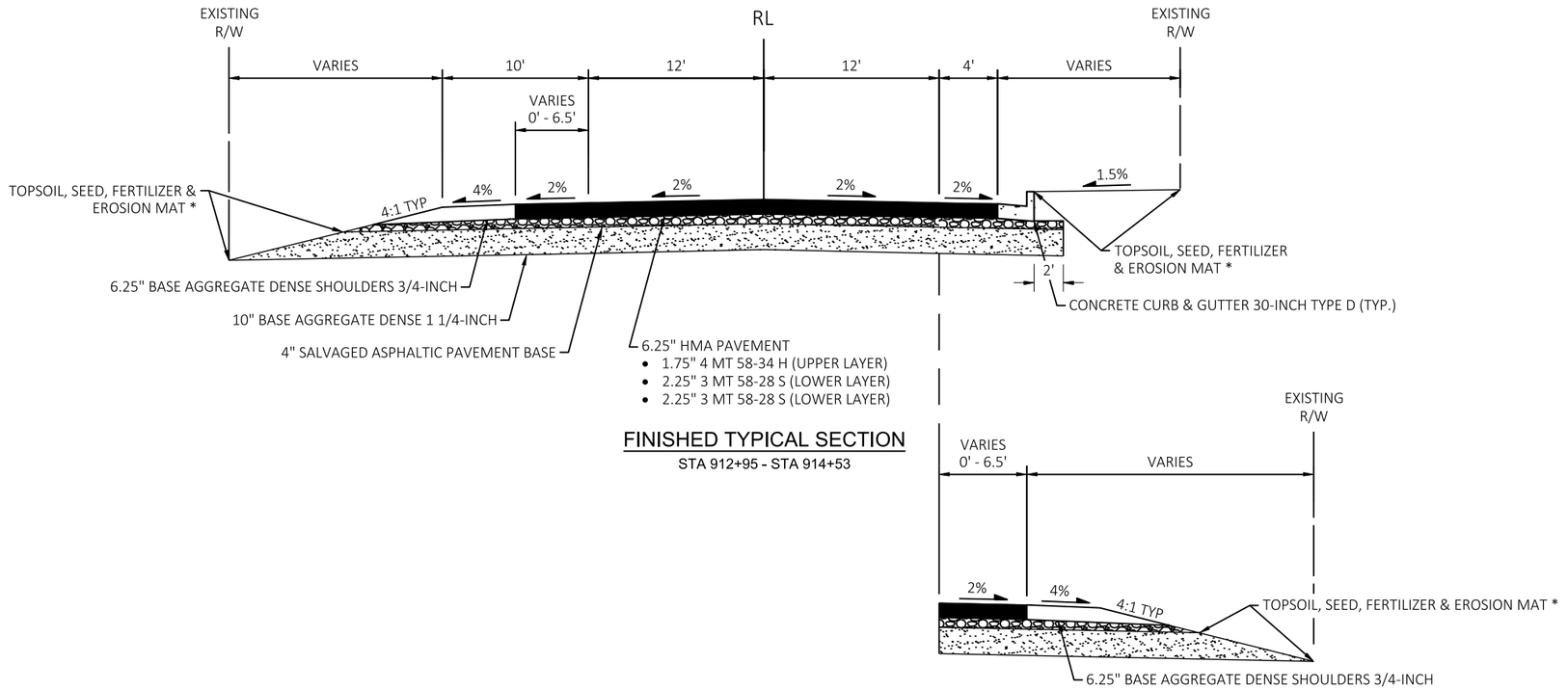
PLOT DATE : 3/28/2024 1:17 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT

2



FINISHED TYPICAL SECTION

STA 900+71 - STA 912+95



FINISHED TYPICAL SECTION

STA 912+95 - STA 914+53

USH 45

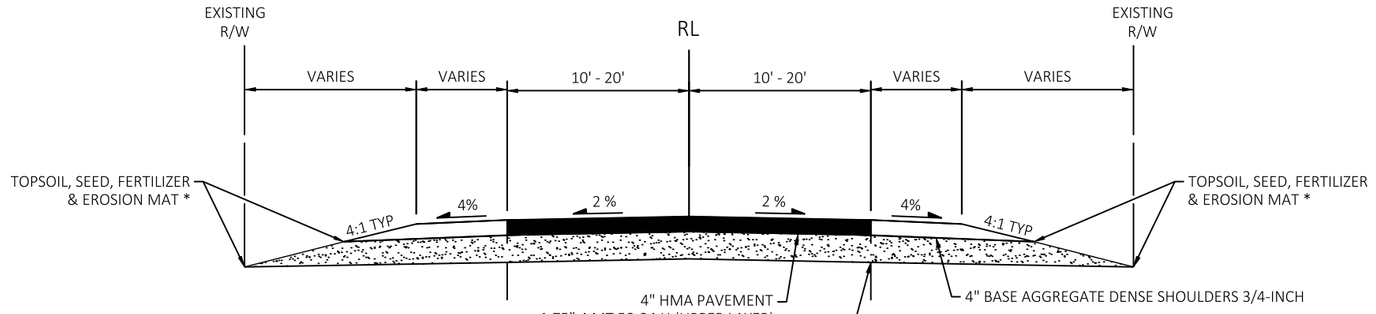
STA 913+37 - STA 914+53

NOTES

* SEE EROSION CONTROL PLANS AND MISCELLANEOUS QUANTITIES FOR ADDITIONAL INFORMATION.

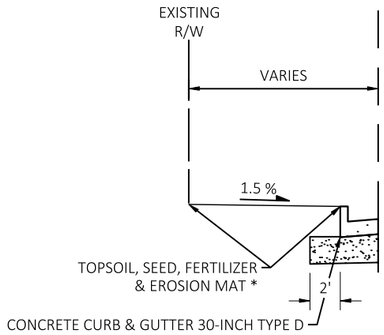
PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	TYPICAL SECTIONS	SHEET 8	E

2



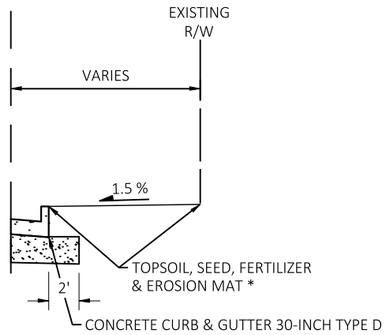
FINISHED SIDEROAD TYPICAL SECTIONS

CLINIC ST
COLE ST
RUMMEL ST
OWANO ST
ELCHO ST
ENTERPRISE ST
BLUEBIRD LN
BLUEBIRD ALLEY



FINISHED SIDEROAD TYPICAL SECTIONS

RUMMEL ST LT
OWANO ST LT
**CLINIC ST



FINISHED SIDEROAD TYPICAL SECTIONS

CTH K RT
ELCHO ST RT

**CLINIC ST USE CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D

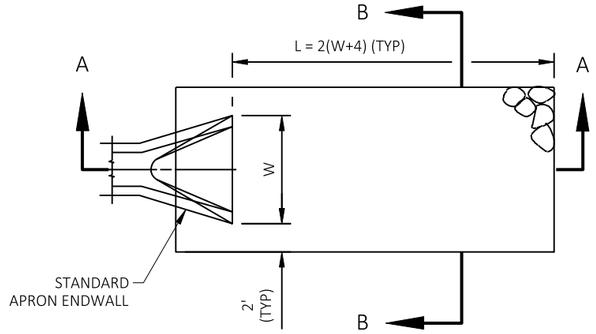
NOTES

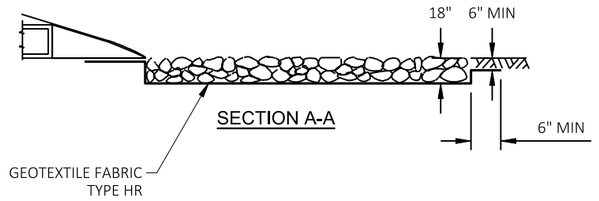
* SEE EROSION CONTROL PLANS AND MISCELLANEOUS QUANTITIES FOR ADDITIONAL INFORMATION.

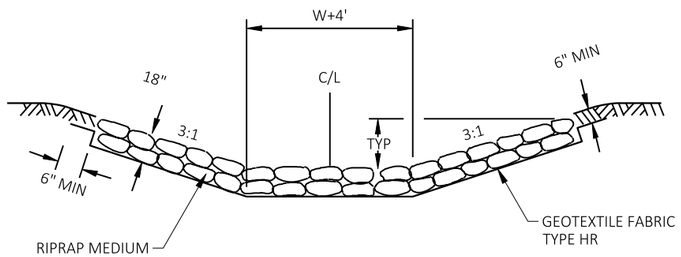
PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	TYPICAL SECTIONS	SHEET 9	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020307-ts
PLOT DATE : 3/28/2024 1:17 PM
PLOT BY : SHAWN DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2





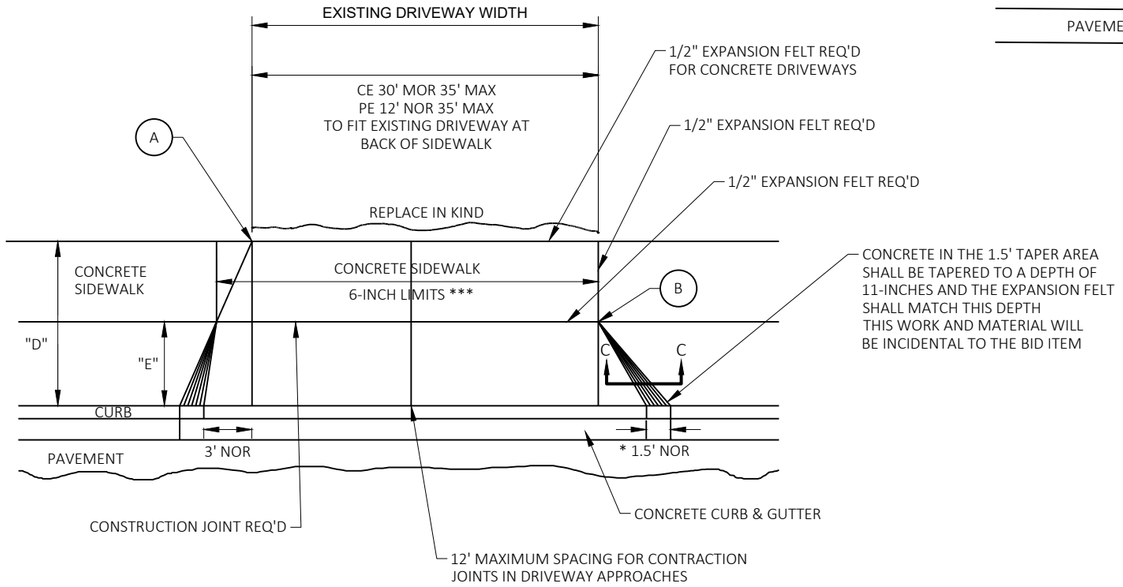


SECTION B-B

RIP RAP AND GEOTEXTILE

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CONSTRUCTION DETAILS	SHEET 10	E

2



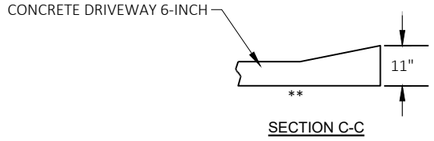
PLAN VIEW

Ⓐ WHEN "D" IS 13' OR LESS, ALIGN TAPER WITH BACK OF SIDEWALK

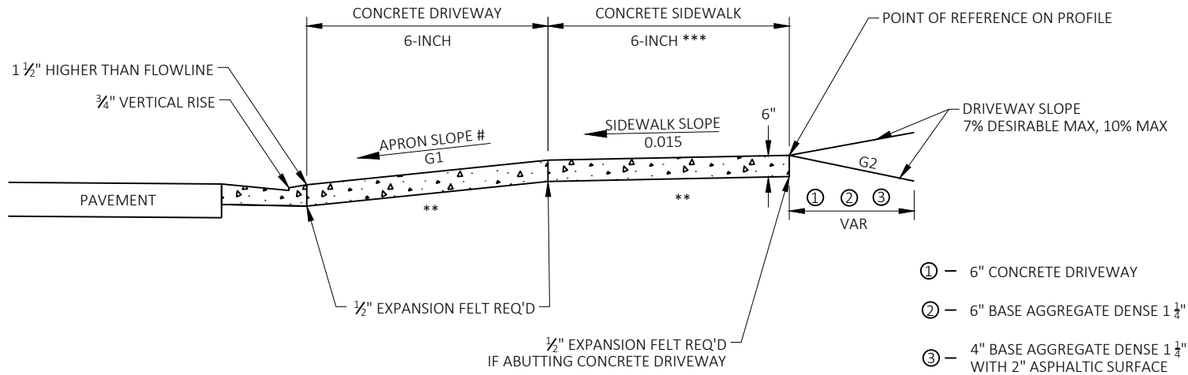
Ⓑ WHEN "D" IS GREATER THAN 13', ALIGN TAPER WITH FRONT OF SIDEWALK

* WHEN "E" =0
MAKE CURB TAPER 5'

*** SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY 6-INCH



SECTION C-C



TYPICAL SIDEWALK SECTION

① — 6" CONCRETE DRIVEWAY

② — 6" BASE AGGREGATE DENSE 1 ¼"

③ — 4" BASE AGGREGATE DENSE 1 ¼"
WITH 2" ASPHALTIC SURFACE

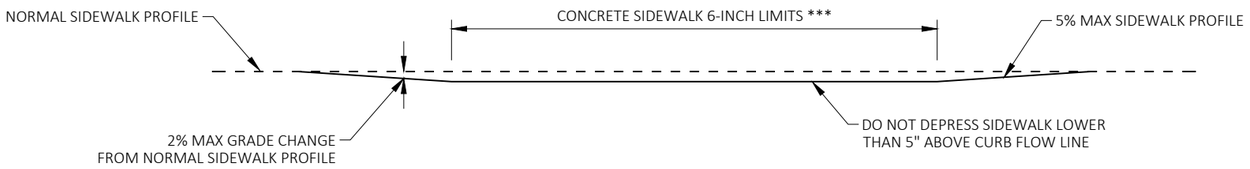
** 6" BASE AGGREGATE DENSE 1 ¼"
REQ'D UNDER CONCRETE DRWY

\#

TERRACE WIDTH	APRON SLOPE (G1)		
	MIN %	DESIRABLE %	MAX %
3 FT	7.0	8.5	9.0
4 FT	5.0	7.0	9.0
5 FT	4.0	7.0	9.0
6 FT	4.0	7.0	9.0
7 FT	3.5	7.0	9.0
8 FT	3.0	7.0	9.0

NOTE: ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 TO NOT EXCEED 15%

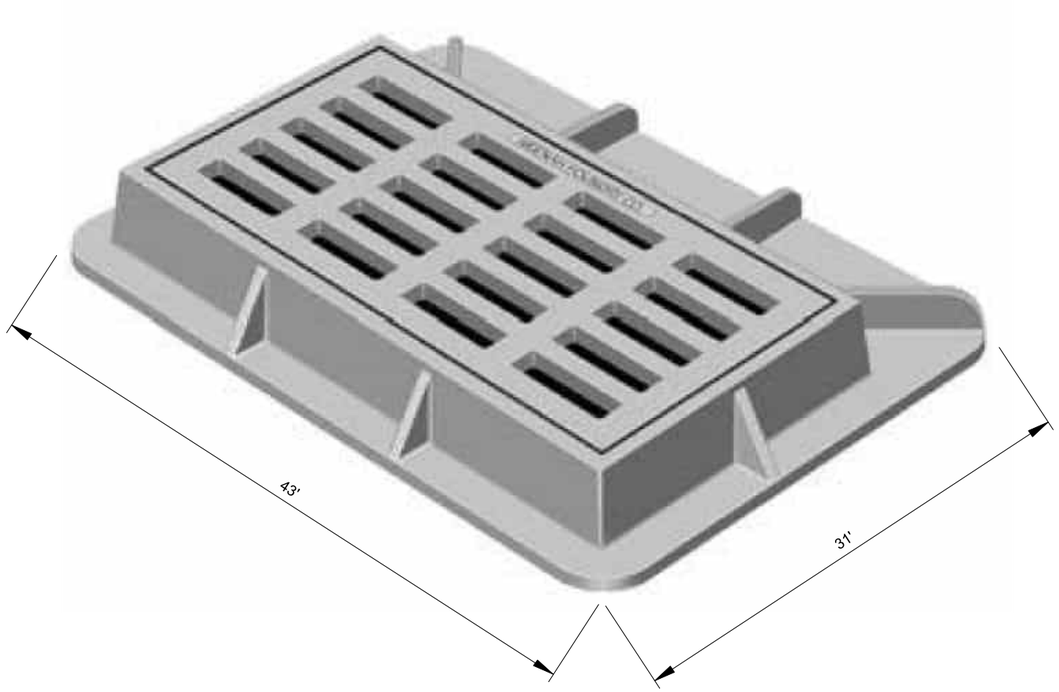
DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAX SLOPE

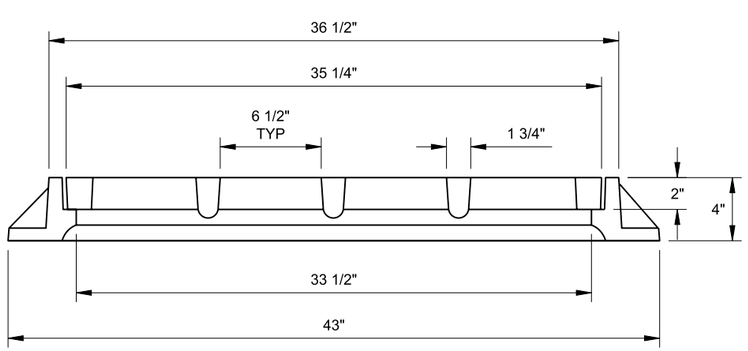


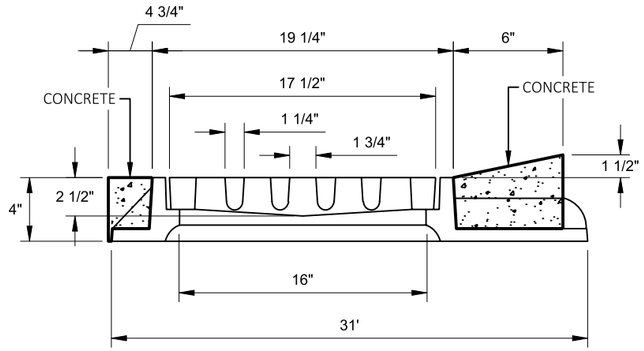
DEPRESSED SIDEWALK PROFILE DETAIL

DRIVEWAY ENTRANCE WITH SIDEWALK, CURB & GUTTER

2







INLET COVERS TYPE DRIVEWAY SPECIAL DETAIL

2

CLINIC ST - SW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
100	880+47.86	16.00' RT	1629.71	446935.42	612368.43	EOP
101	880+65.00	0.00'	1630.02	446954.00	612354.12	CL
102	881+45.00	16.00' RT	1630.03	447032.13	612377.61	EOP
103	881+65.59	22.00' LT	1629.94	447056.21	612341.73	EOP
104	881+66.46	41.00' LT	-	447058.89	612322.90	25' RAD PT
105	881+83.84	29.92' LT	1629.57	447075.13	612335.58	EOP
106	881+90.53	48.65' LT	1630.16	447083.57	612317.56	EOP
107	882+01.80	44.74' LT	1630.30	447094.42	612322.52	CL
108	881+99.41	82.66' LT	1630.65	447095.62	612284.54	CL
109	882+01.51	49.35' LT	1630.38	447094.56	612317.91	CL

CLINIC ST - NW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
110	882+12.78	45.43' LT	1630.08	447105.41	612322.87	EOP
111	882+02.18	38.77' LT	1630.13	447094.23	612328.50	CL
112	882+20.62	28.77' LT	1629.45	447111.64	612340.19	EOP
113	882+37.73	22.01' LT	1629.54	447128.04	612348.54	EOP
114	882+37.61	41.00' LT	-	447129.71	612329.63	25' RAD PT
115	882+38.00	16.00' RT	1629.65	447124.71	612386.41	EOP

2

R/W
R/W
MATCH EXISTING STA 9+17.2 'C'
9+00 'C'
CLINIC ST
COMMUNICATIONS (FRONTIER)
SANITARY SEWER (ELCHO SANITARY DISTRICT NO 1)
WATER (ELCHO SANITARY DISTRICT NO 1)
SLOPE INTERCEPT
ASPHALTIC FLUMES
ELECTRIC (WISCONSIN PUBLIC SERVICE)
SLOPE INTERCEPT
ASPHALTIC FLUMES
BEGIN PROJECT STA 880+65 MATCH EXISTING
104
114
SS
11.0'
11.0'
CP 107
CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
881+00
882+00
883+00
EP: 10+00.00 'C'
USH 45 / STH 47 / ANTIGO ST
GAS (WISCONSIN PUBLIC SERVICE)
COMMUNICATIONS (ASTREA)
SLOPE INTERCEPT
TLE
COMMUNICATIONS (ASTREA)
R/W
TLE
POWER POLE (TO REMAIN)
RAMP
N

100 1629.71
101 1630.02
102 1630.03
103 1629.94
105 1629.57
106 1630.16
107 1630.30
108 1630.65
109 1630.38
110 1630.08
111 1630.13
112 1629.45
113 1629.54
115 1629.65

LEGEND:

- .XXXX. SAWING ASPHALT
- .ΔΔΔΔ. SAWING CONCRETE
- XXXX YYY.YY POINT NUMBER & ELEVATION

NOTES:

1. RADIUS DIMENSIONS ARE TO EDGE OF PAVEMENT.

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
CP 107	881+85	1630.219	MAG NAIL, 21.47' LT

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	INTERSECTION DETAILS	SHEET 13	E

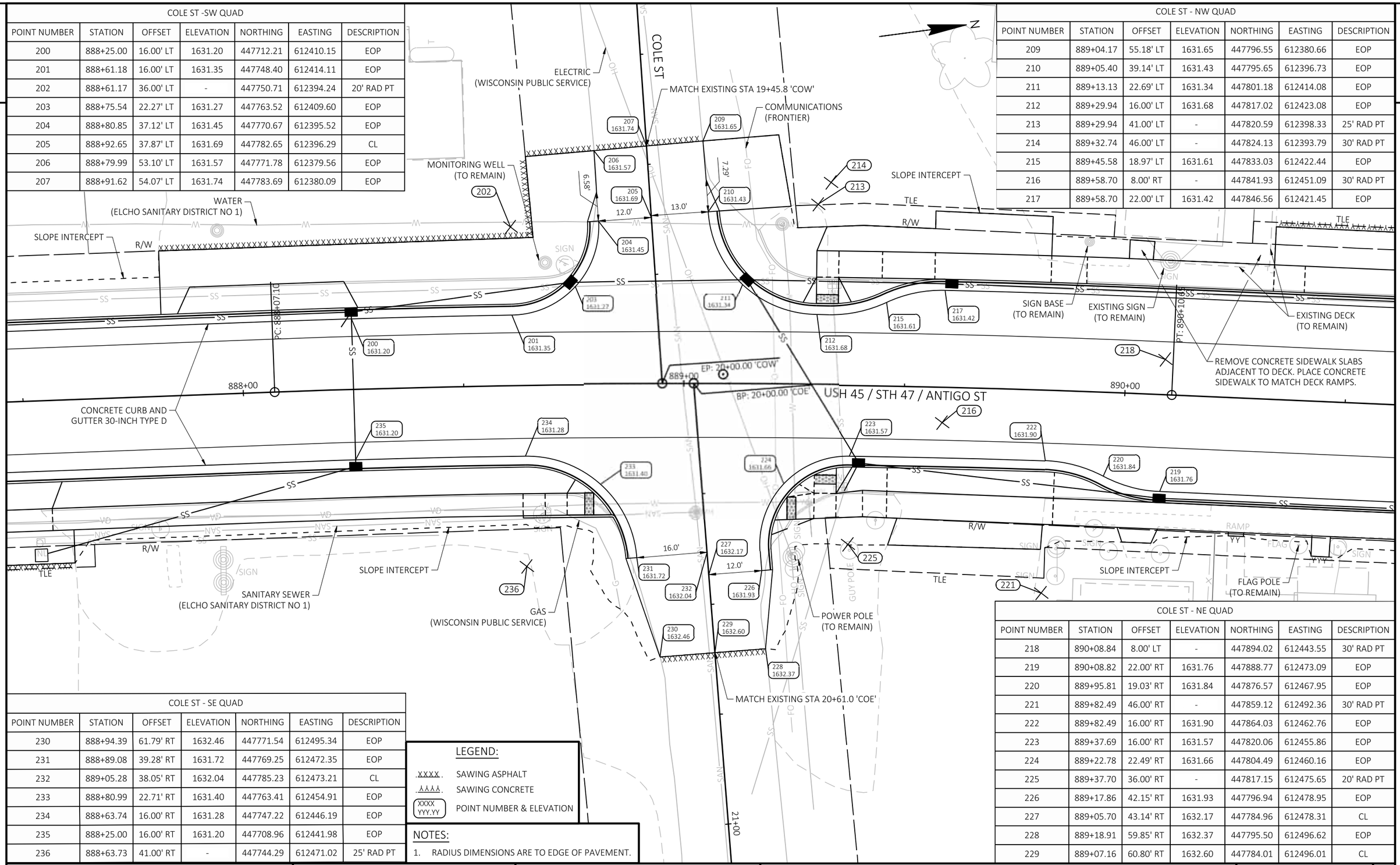
FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 021101-id
PLOT DATE : 4/27/2024 8:48 AM
PLOT BY : SHAWN DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT

2

COLE ST -SW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
200	888+25.00	16.00' LT	1631.20	447712.21	612410.15	EOP
201	888+61.18	16.00' LT	1631.35	447748.40	612414.11	EOP
202	888+61.17	36.00' LT	-	447750.71	612394.24	20' RAD PT
203	888+75.54	22.27' LT	1631.27	447763.52	612409.60	EOP
204	888+80.85	37.12' LT	1631.45	447770.67	612395.52	EOP
205	888+92.65	37.87' LT	1631.69	447782.65	612396.29	CL
206	888+79.99	53.10' LT	1631.57	447771.78	612379.56	EOP
207	888+91.62	54.07' LT	1631.74	447783.69	612380.09	EOP

COLE ST - NW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
209	889+04.17	55.18' LT	1631.65	447796.55	612380.66	EOP
210	889+05.40	39.14' LT	1631.43	447795.65	612396.73	EOP
211	889+13.13	22.69' LT	1631.34	447801.18	612414.08	EOP
212	889+29.94	16.00' LT	1631.68	447817.02	612423.08	EOP
213	889+29.94	41.00' LT	-	447820.59	612398.33	25' RAD PT
214	889+32.74	46.00' LT	-	447824.13	612393.79	30' RAD PT
215	889+45.58	18.97' LT	1631.61	447833.03	612422.44	EOP
216	889+58.70	8.00' RT	-	447841.93	612451.09	30' RAD PT
217	889+58.70	22.00' LT	1631.42	447846.56	612421.45	EOP

2



COLE ST - SE QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
230	888+94.39	61.79' RT	1632.46	447771.54	612495.34	EOP
231	888+89.08	39.28' RT	1631.72	447769.25	612472.35	EOP
232	889+05.28	38.05' RT	1632.04	447785.23	612473.21	CL
233	888+80.99	22.71' RT	1631.40	447763.41	612454.91	EOP
234	888+63.74	16.00' RT	1631.28	447747.22	612446.19	EOP
235	888+25.00	16.00' RT	1631.20	447708.96	612441.98	EOP
236	888+63.73	41.00' RT	-	447744.29	612471.02	25' RAD PT

LEGEND:

- .XXXX. SAWING ASPHALT
- .XXXX. SAWING CONCRETE
- XXXX / YYY.YY POINT NUMBER & ELEVATION

NOTES:

1. RADIUS DIMENSIONS ARE TO EDGE OF PAVEMENT.

COLE ST - NE QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
218	890+08.84	8.00' LT	-	447894.02	612443.55	30' RAD PT
219	890+08.82	22.00' RT	1631.76	447888.77	612473.09	EOP
220	889+95.81	19.03' RT	1631.84	447876.57	612467.95	EOP
221	889+82.49	46.00' RT	-	447859.12	612492.36	30' RAD PT
222	889+82.49	16.00' RT	1631.90	447864.03	612462.76	EOP
223	889+37.69	16.00' RT	1631.57	447820.06	612455.86	EOP
224	889+22.78	22.49' RT	1631.66	447804.49	612460.16	EOP
225	889+37.70	36.00' RT	-	447817.15	612475.65	20' RAD PT
226	889+17.86	42.15' RT	1631.93	447796.94	612478.95	EOP
227	889+05.70	43.14' RT	1632.17	447784.96	612478.31	CL
228	889+18.91	59.85' RT	1632.37	447795.50	612496.62	EOP
229	889+07.16	60.80' RT	1632.60	447784.01	612496.01	CL

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	INTERSECTION DETAILS	SHEET 14	E

2

RUMMEL ST - SW QUAD

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
300	892+40.59	8.00' RT	-	448119.41	612499.83	30' RAD PT
302	892+40.59	22.00' LT	1632.42	448124.66	612470.30	EOP
303	892+53.67	19.00' LT	1632.65	448137.01	612475.54	EOP
304	892+66.75	16.00' LT	1632.70	448149.36	612480.78	EOP
305	892+66.75	46.00' LT	-	448154.60	612451.24	30' RAD PT
306	892+69.32	43.50' LT	-	448156.70	612454.15	27.5' RAD PT
307	892+88.83	24.12' LT	1632.58	448172.52	612476.65	EOP
308	892+95.46	34.97' LT	1632.52	448180.95	612467.13	EOP
309	892+96.81	45.65' LT	1632.58	448184.14	612456.84	EOP
310	893+12.06	45.75' LT	1632.88	448199.17	612459.41	CL
311	892+96.52	59.90' LT	1632.61	448186.35	612442.76	EOP
312	893+11.92	60.00' LT	1632.89	448201.53	612445.36	CL

RUMMEL ST - NW QUAD

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
313	893+27.31	60.10' LT	1632.99	448216.70	612447.95	EOP
314	893+12.09	40.83' LT	1632.86	448198.34	612464.26	CL
315	893+27.37	40.93' LT	1632.56	448213.41	612466.84	EOP
316	893+34.72	23.30' LT	1632.74	448217.56	612485.48	EOP
317	893+52.37	41.00' LT	-	448238.03	612471.14	25' RAD PT
318	893+52.36	16.00' LT	1632.91	448233.65	612495.75	EOP

2

RUMMEL ST - SE QUAD

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
327	892+92.98	60.23' RT	1633.45	448161.86	612560.42	EOP
328	892+93.02	46.08' RT	1633.15	448164.37	612546.50	EOP
329	892+85.94	26.64' RT	1632.62	448160.80	612526.11	EOP
330	892+64.32	16.03' RT	1632.73	448141.37	612511.89	EOP
331	892+63.02	46.00' RT	-	448134.85	612541.17	30' RAD PT
332	892+60.45	46.00' RT	-	448132.31	612540.72	30' RAD PT
333	892+55.42	16.42' RT	1632.69	448132.54	612510.72	EOP
334	892+43.64	20.51' RT	1632.58	448120.22	612512.68	EOP
335	892+34.29	8.00' LT	-	448116.01	612482.98	30' RAD PT
336	892+34.29	22.00' RT	1632.44	448110.76	612512.52	EOP

RUMMEL ST - NE QUAD

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
319	893+62.30	16.00' RT	1632.95	448237.85	612529.00	EOP
320	893+41.22	24.67' RT	1632.66	448215.57	612533.85	EOP
321	893+38.61	27.61' RT	1632.61	448212.49	612536.28	EOP
322	893+62.31	46.00' RT	-	448232.61	612558.54	30' RAD PT
323	893+32.32	45.67' RT	1633.11	448203.13	612552.97	EOP
324	893+12.22	45.62' RT	1633.71	448183.36	612549.40	CL
325	893+32.13	60.34' RT	1633.97	448200.38	612567.38	EOP
326	893+12.18	60.29' RT	1634.08	448180.75	612563.83	CL

LEGEND:

- XXXX — SAWING ASPHALT
- XXXX — SAWING CONCRETE
- PED — CONCRETE CURB PEDESTRIAN
- XXXX / YYY.YY — POINT NUMBER & ELEVATION

NOTES:

1. RADIUS DIMENSIONS ARE TO EDGE OF PAVEMENT.

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	INTERSECTION DETAILS	SHEET 15	E

2

OWANO ST - SW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
400	896+33.14	16.00' LT	1633.61	448510.11	612544.85	EOP
401	896+33.13	41.00' LT	-	448514.47	612520.24	25' RAD PT
402	896+51.03	23.60' LT	1633.48	448529.05	612540.50	EOP
403	896+57.10	33.88' LT	1633.40	448536.82	612531.44	EOP
404	896+58.13	40.94' LT	1633.43	448539.07	612524.67	EOP
405	896+72.14	40.91' LT	1633.81	448552.86	612527.15	CL
406	896+58.16	51.62' LT	1633.49	448540.97	612514.15	EOP
407	896+58.19	60.03' LT	1633.53	448542.46	612505.88	EOP
408	896+72.18	60.00' LT	1633.81	448556.23	612508.36	CL

OWANO ST - NW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
410	896+85.96	59.97' LT	1633.71	448569.80	612510.80	EOP
411	896+85.92	43.57' LT	1633.55	448566.90	612526.94	EOP
412	896+72.14	43.60' LT	1633.83	448553.33	612524.50	CL
413	896+87.98	33.07' LT	1633.50	448567.08	612537.63	EOP
414	896+93.95	24.08' LT	1633.58	448571.39	612547.53	EOP
415	897+13.42	43.50' LT	-	448593.96	612531.81	27.5' RAD PT
416	897+13.42	16.00' LT	1633.74	448589.15	612558.89	EOP

2

WATER (ELCHO SANITARY DISTRICT NO 1)
ELECTRIC (WISCONSIN PUBLIC SERVICE)
OWANO ST
MATCH EXISTING STA 39+40 'OW'
COMMUNICATIONS (FRONTIER)
FENCE (TO REMAIN)
SLOPE INTERCEPT
TLE
R/W
401
415
406 1633.49
407 1633.53
408 1633.81
410 1633.71
412 1633.83
404 1633.43
405 1633.81
411 1633.55
403 1633.40
413 1633.60
402 1633.48
414 1633.58
400 1633.61
416 1633.74
14.0'
13.8'
USH 45 / STH 47 / ANTIGO ST
896+00
897+00
898+00
EP; 40+00.00 'OW'
BP; 40+00.00 'OE'
CONCRETE CURB AND GUTTER 30-INCH TYPE D
431 1633.61
430 1633.57
429 1633.78
417 1633.77
418 1633.67
420 1633.63
STUMP (TO REMAIN)
SLOPE INTERCEPT
POWER POLE (TO BE RELOCATED PRIOR TO CONSTRUCTION)
432
427 1634.18
426 1634.47
425 1635.06
421 1633.99
428 1634.87
424 1635.37
422 1634.65
419
SIGN (TO REMAIN)
423 1635.21
16.0'
14.5'
MATCH EXISTING STA 40+60 'OE'
OWANO ST
N

OWANO ST - SE QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
425	896+54.11	59.99' RT	1635.06	448517.46	612623.34	EOP
426	896+54.29	44.27' RT	1634.47	448520.39	612607.89	EOP
427	896+54.39	36.24' RT	1634.18	448521.89	612600.00	EOP
428	896+70.42	46.39' RT	1634.87	448535.90	612612.80	CL
429	896+48.62	21.94' RT	1633.78	448518.71	612584.91	EOP
430	896+43.60	18.25' RT	1633.57	448514.42	612580.40	EOP
431	896+34.40	16.00' RT	1633.61	448505.75	612576.58	EOP
432	896+34.39	36.00' RT	-	448502.24	612596.27	20' RAD PT

LEGEND:

- XXXX — SAWING ASPHALT
- XXXX — SAWING CONCRETE
- XXXX / YYY.YY — POINT NUMBER & ELEVATION

NOTES:

1. RADIUS DIMENSIONS ARE TO EDGE OF PAVEMENT.

OWANO ST - NE QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
417	897+04.91	16.00' RT	1633.77	448575.17	612588.91	EOP
418	896+90.77	21.86' RT	1633.67	448560.22	612592.21	EOP
419	897+04.91	36.00' RT	-	448571.68	612608.60	20' RAD PT
420	896+86.03	29.40' RT	1633.63	448554.24	612598.81	EOP
421	896+84.91	36.01' RT	1633.99	448551.98	612605.11	EOP
422	896+84.92	49.25' RT	1634.65	448549.67	612618.15	EOP
423	896+86.75	59.99' RT	1635.21	448549.59	612629.05	EOP
424	896+70.43	60.00' RT	1635.37	448533.53	612626.20	CL

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	INTERSECTION DETAILS	SHEET 16	E

2

ELCHO ST - SW QUAD

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
500	899+75.76	16.00' LT	1633.57	448847.45	612604.77	EOP
501	899+75.76	46.00' LT	-	448852.70	612575.23	30' RAD PT
502	899+96.98	24.79' LT	1633.31	448869.87	612599.83	EOP
503	900+02.78	32.95' LT	1633.20	448877.01	612592.80	EOP
504	900+05.76	46.00' LT	1633.37	448882.23	612580.48	EOP
505	900+17.26	53.91' LT	1633.63	448894.94	612574.70	CL
506	900+05.76	54.00' LT	1633.40	448883.63	612572.60	EOP
507	900+17.26	59.00' LT	1633.66	448895.83	612569.69	CL

ELCHO ST - NW QUAD

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
508	900+31.25	59.00' LT	1633.81	448909.60	612572.14	EOP
509	900+28.76	54.00' LT	1633.52	448906.28	612576.62	EOP
510	900+28.76	46.00' LT	1633.48	448904.88	612584.50	EOP
511	900+37.55	24.79' LT	1633.34	448909.82	612606.92	EOP
512	900+46.98	18.41' LT	1633.27	448917.99	612614.85	EOP
513	900+58.76	16.00' LT	1633.34	448929.17	612619.28	EOP
514	900+58.76	46.00' LT	-	448934.42	612589.74	30' RAD PT

2

49+00 'EW'

ELCHO ST

SANITARY SEWER
(ELCHO SANITARY DISTRICT NO 1)

MATCH EXISTING STA 49+41 'EW'

GAS
(WISCONSIN PUBLIC SERVICE)

SIGN (TO REMAIN)

SLOPE INTERCEPT

TLE

PLE

R/W

11.5'

11.5'

13.9'

14.2'

899+00

900+00

901+00

EP: 50+00.00 'EW' BP: 50+00.00 'EE'

USH 45 / STH 47 / ANTIGO ST

CONCRETE CURB AND
GUTTER 30-INCH TYPE D

PED

STUMPS (TO REMAIN)

FENCE (TO REMAIN)

POWER POLE (TO BE
RELOCATED PRIOR
TO CONSTRUCTION)

ELECTRIC
(WISCONSIN PUBLIC SERVICE)

MATCH EXISTING STA 50+60 'EE'

SIGN (TO REMAIN)

SLOPE INTERCEPT

TLE

ELCHO ST - SE QUAD

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
524	900+18.53	59.78' RT	1634.65	448876.30	612686.85	EOP
525	900+18.53	49.00' RT	1634.19	448878.19	612676.24	EOP
526	900+18.53	41.00' RT	1633.88	448879.59	612668.37	EOP
527	900+11.21	23.32' RT	1633.70	448875.47	612649.68	EOP
528	899+93.53	16.00' RT	1633.52	448859.34	612639.38	EOP
529	899+93.53	41.00' RT	-	448854.97	612664.00	25' RAD PT

LEGEND:

.XXXX.	SAWING ASPHALT
.^^^^.	SAWING CONCRETE
PED	CONCRETE CURB PEDESTRIAN
XXXX YYY.YY	POINT NUMBER & ELEVATION

NOTES:

1. RADIUS DIMENSIONS ARE TO EDGE OF PAVEMENT.

ELCHO ST - NE QUAD

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
515	900+71.60	16.00' RT	1633.30	448936.21	612653.03	EOP
516	900+60.94	18.39' RT	1633.18	448925.30	612653.52	EOP
517	900+53.92	23.32' RT	1633.24	448917.53	612657.15	EOP
518	900+71.60	41.00' RT	-	448931.84	612677.65	25' RAD PT
519	900+46.60	41.00' RT	1633.85	448907.23	612673.28	EOP
520	900+32.28	49.29' RT	1634.47	448891.67	612678.93	CL
521	900+46.60	49.53' RT	1634.17	448905.74	612681.68	EOP
522	900+46.88	60.23' RT	1634.58	448904.14	612692.26	EOP
523	900+32.10	59.99' RT	1634.88	448889.63	612689.44	CL

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	INTERSECTION DETAILS	SHEET 17	E

2

ENTERPRISE LAKE ROAD - SW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
600	902+87.00	16.00' RT	1632.40	449148.72	612690.15	EOP
601	902+63.63	16.00' RT	1632.47	449125.53	612686.42	EOP
602	902+45.45	18.50' RT	1632.99	449107.07	612685.86	BOC
603	902+42.47	18.50' RT	1632.51	449104.11	612685.35	BOC
604	902+37.49	18.50' RT	1632.54	449099.18	612684.50	BOC
605	902+34.51	18.50' RT	1633.04	449096.23	612683.98	BOC
606	902+29.51	16.00' RT	1632.65	449091.71	612680.65	EOP
607	902+42.52	16.00' LT	1632.57	449110.02	612651.36	EOP
608	902+42.52	46.00' LT	-	449115.10	612621.79	30' RAD PT
609	902+57.80	20.08' LT	1632.00	449125.68	612649.87	EOP
610	902+65.73	26.65' LT	1632.20	449134.50	612644.68	EOP
611	902+72.57	51.11' LT	1632.76	449145.10	612621.62	EOP
612	902+69.67	55.70' LT	1632.86	449143.03	612616.63	EOP

ENTERPRISE LAKE ROAD - NW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
613	902+84.96	53.13' LT	1633.13	449157.44	612621.54	CL
614	902+84.14	58.06' LT	1633.23	449157.42	612616.54	CL
615	902+96.88	60.08' LT	1633.06	449170.07	612616.47	EOP
616	903+00.11	41.46' LT	1632.47	449170.40	612635.36	EOP
617	902+87.23	39.42' LT	1632.80	449157.53	612635.43	CL
618	903+10.46	23.22' LT	1632.14	449177.80	612654.91	EOP
619	903+18.29	18.41' LT	1632.00	449184.80	612660.81	EOP
620	903+30.21	46.00' LT	-	449200.40	612635.18	30' RAD PT
621	903+30.21	16.00' LT	1632.59	449196.18	612664.88	EOP
622	903+27.99	16.00' RT	1632.55	449189.47	612696.25	EOP
623	903+44.04	33.00' RT	1633.44	449203.13	612715.33	EOW
624	903+49.70	33.00' RT	1633.46	449208.80	612716.11	EOW
625	903+65.55	36.26' RT	1633.05	449224.27	612721.44	EOP
626	903+93.76	37.66' RT	1632.30	449252.43	612726.39	EOP

2

ENTERPRISE LAKE RD
59+00 'B'
MATCH EXISTING STA 59+41.2 'B'
USH 45 / STH 47 / ANTIGO ST
902+00
903+00
904+00
EP: 60+00.00 'B'
PC: 60+26.00
LAKE STREET
TLE
PLE
SLOPE INTERCEPT
R/W
CONCRETE WALL (TO REMAIN)
GAS (WISCONSIN PUBLIC SERVICE)
REMOVE AND SALVAGE FLASHING BEACON
CONCRETE CURB AND GUTTER 30-INCH TYPE D
SLOPE INTERCEPT
SIGN (TO REMAIN)
CURB CUT OPENING (CURB RAMP TO BE INSTALLED BY OTHER PROJECT)
SIGN (TO REMAIN)
SIGN (TO BE MOVED BY OTHERS)
SIGN (TO REMAIN)
ELECTRIC (WISCONSIN PUBLIC SERVICE)
POWER POLE (TO BE RELOCATED PRIOR TO CONSTRUCTION)
SLOPE INTERCEPT
COMMUNICATIONS (FRONTIER)
SANITARY SEWER (ELCHO SANITARY DISTRICT NO 1)
WATER (ELCHO SANITARY DISTRICT NO 1)
12.3'
8.37'
12.9'
N

LEGEND:
XXXX SAWING ASPHALT
XXXX SAWING CONCRETE
XXXX YYY.YY POINT NUMBER & ELEVATION

NOTES:
1. RADIUS DIMENSIONS ARE TO EDGE OF PAVEMENT.

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	INTERSECTION DETAILS	SHEET 18	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 021106-id
PLOT DATE : 4/27/2024 8:52 AM
PLOT BY : SHAWN DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT

2

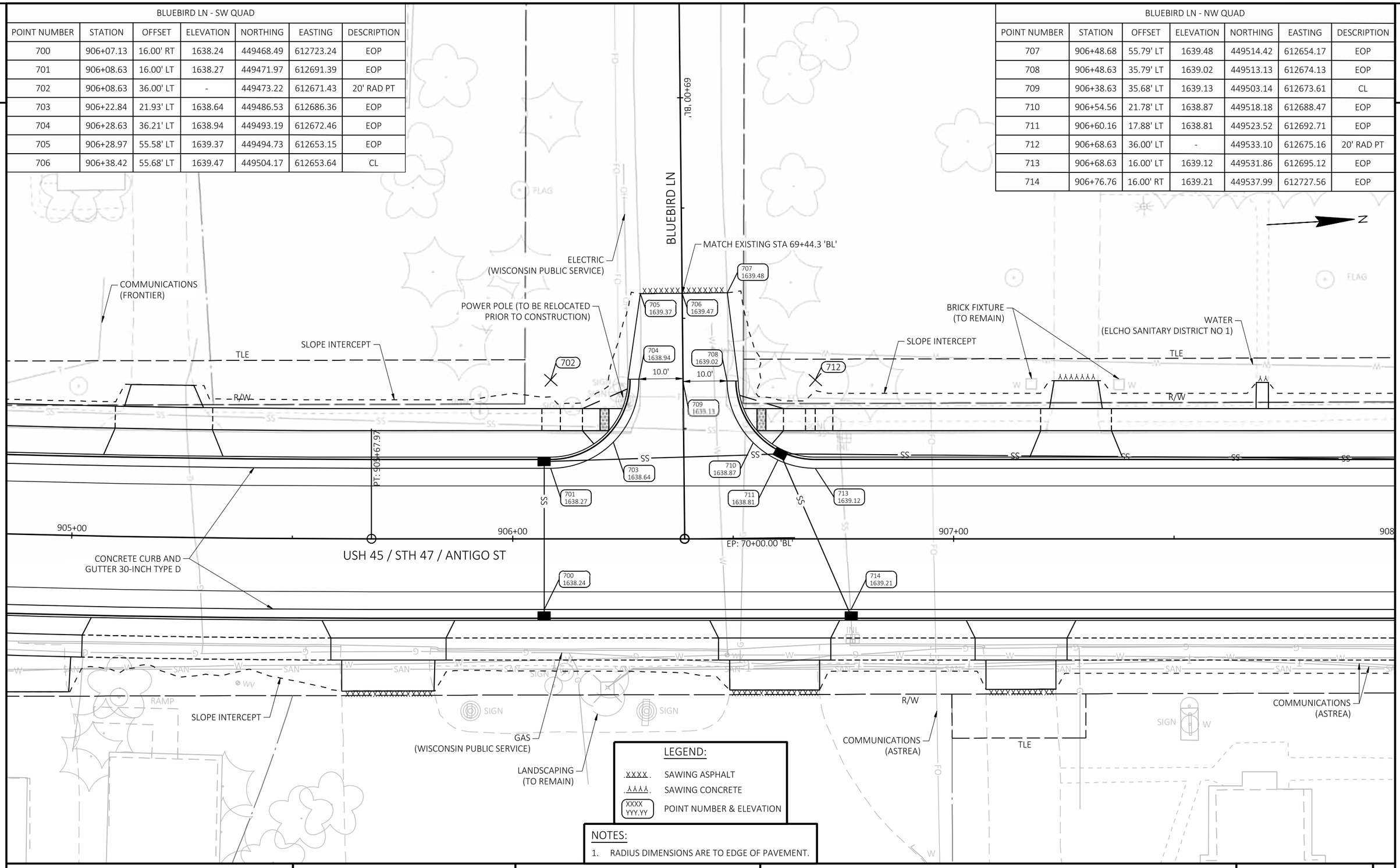
BLUEBIRD LN - SW QUAD

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
700	906+07.13	16.00' RT	1638.24	449468.49	612723.24	EOP
701	906+08.63	16.00' LT	1638.27	449471.97	612691.39	EOP
702	906+08.63	36.00' LT	-	449473.22	612671.43	20' RAD PT
703	906+22.84	21.93' LT	1638.64	449486.53	612686.36	EOP
704	906+28.63	36.21' LT	1638.94	449493.19	612672.46	EOP
705	906+28.97	55.58' LT	1639.37	449494.73	612653.15	EOP
706	906+38.42	55.68' LT	1639.47	449504.17	612653.64	CL

BLUEBIRD LN - NW QUAD

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
707	906+48.68	55.79' LT	1639.48	449514.42	612654.17	EOP
708	906+48.63	35.79' LT	1639.02	449513.13	612674.13	EOP
709	906+38.63	35.68' LT	1639.13	449503.14	612673.61	CL
710	906+54.56	21.78' LT	1638.87	449518.18	612688.47	EOP
711	906+60.16	17.88' LT	1638.81	449523.52	612692.71	EOP
712	906+68.63	36.00' LT	-	449533.10	612675.16	20' RAD PT
713	906+68.63	16.00' LT	1639.12	449531.86	612695.12	EOP
714	906+76.76	16.00' RT	1639.21	449537.99	612727.56	EOP

2



LEGEND:

- .XXXX. SAWING ASPHALT
- .XXXX. SAWING CONCRETE
- XXXX YYY.YY POINT NUMBER & ELEVATION

NOTES:

1. RADIUS DIMENSIONS ARE TO EDGE OF PAVEMENT.

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	INTERSECTION DETAILS	SHEET 19	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 021107-id

PLOT DATE : 4/27/2024 8:53 AM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:20 FT

BLUEBIRD ALLEY - SW QUAD

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
805	912+49.78	18.50' LT	1641.47	450112.04	612728.70	BOC
806	912+53.28	18.50' LT	1640.99	450115.54	612728.91	BOC
807	912+58.28	18.50' LT	1641.01	450120.53	612729.22	BOC
808	912+61.78	18.50' LT	1641.51	450124.02	612729.44	BOC
809	912+69.27	16.00' LT	1641.12	450131.34	612732.40	EOP
810	912+69.27	41.00' LT	-	450132.90	612707.45	25' RAD PT
811	912+86.86	23.23' LT	1640.77	450149.35	612726.27	EOP
812	912+94.27	40.75' LT	1640.42	450157.83	612709.25	EOP
813	913+02.27	40.67' LT	1640.58	450165.81	612709.83	CL
814	912+95.60	61.40' LT	1640.13	450160.44	612688.72	EOP
815	913+02.48	61.33' LT	1640.02	450167.30	612689.22	CL

BLUEBIRD ALLEY - NW QUAD

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
816	913+10.06	61.26' LT	1639.65	450174.87	612689.76	EOP
817	913+11.33	48.95' LT	1640.17	450175.36	612702.13	EOP
818	913+12.41	38.45' LT	1640.43	450175.79	612712.68	EOP
819	913+18.47	24.53' LT	1640.87	450180.97	612726.94	EOP
820	913+37.27	16.00' LT	1641.40	450199.22	612736.62	EOP
821	913+37.27	41.00' LT	-	450200.77	612711.67	25' RAD PT

2

BLUEBIRD ALLEY - SE QUAD

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
800	912+67.77	16.00' RT	1641.12	450127.86	612764.25	EOP
801	912+61.78	18.50' RT	1641.51	450121.72	612766.37	BOC
802	912+58.28	18.50' RT	1641.01	450118.23	612766.15	BOC
803	912+53.28	18.50' RT	1640.99	450113.24	612765.84	BOC
804	912+49.78	18.50' RT	1641.47	450109.75	612765.63	BOC

BLUEBIRD ALLEY
79+00 'BA'
MATCH EXISTING STA 79+38.7 'BA'
ASPHALTIC FLUMES
R/W
ELECTRIC
(WISCONSIN PUBLIC SERVICE)
CHURCH SIGN (TO BE RELOCATED BY OTHERS)
CURB CUT OPENING (CURB RAMP TO BE INSTALLED BY OTHER PROJECT)
TLE
SLOPE INTERCEPT
SLOPE INTERCEPT
WATER
(ELCHO SANITARY DISTRICT NO 1)
COMMUNICATIONS
(ASTREA)
USH 45 / STH 47 / ANTIGO ST
912+00
913+00
914+00
EP: 80+00.00 'BA'
CONCRETE CURB AND GUTTER 30-INCH TYPE D
SANITARY SEWER
(ELCHO SANITARY DISTRICT NO 1)
R/W
CURB CUT OPENING
(CURB RAMP TO BE INSTALLED BY OTHER PROJECT)
SLOPE INTERCEPT
GAS
(WISCONSIN PUBLIC SERVICE)
END PROJECT
STA 914+53
MATCH EXISTING
9.0'
8.0'
10.2'

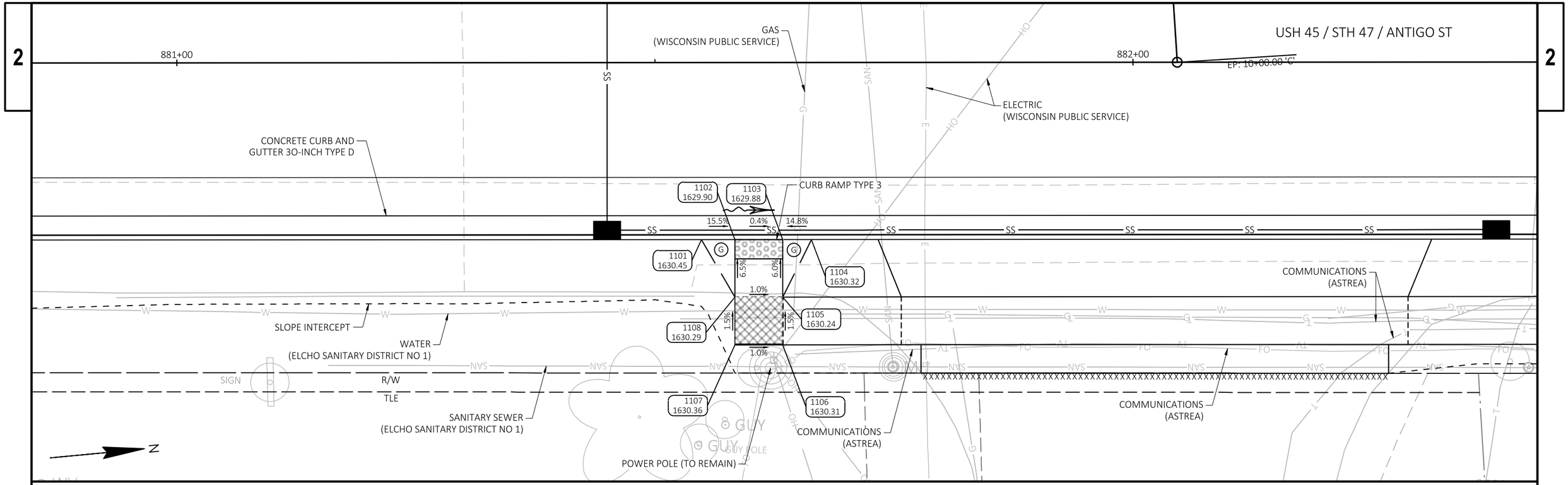
NOTES:

1. RADIUS DIMENSIONS ARE TO EDGE OF PAVEMENT.

LEGEND:

- .XXXX. SAWING ASPHALT
- .AAAA. SAWING CONCRETE
- XXXX YYY.YY POINT NUMBER & ELEVATION

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	INTERSECTION DETAILS	SHEET 20	E



BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
CP 107	881+85	1630.219	MAG NAIL, 21.47' LT

CLINIC ST - CURB RAMP						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1101	881+54.86	18.50' RT	1630.45	447041.71	612381.04	BOC
1102	881+58.36	18.50' RT	1629.90	447045.19	612381.37	BOC
1103	881+63.36	18.50' RT	1629.88	447050.17	612381.84	BOC
1104	881+66.36	18.50' RT	1630.32	447053.16	612382.12	BOC
1105	881+63.36	24.50' RT	1630.24	447049.60	612387.81	EOW
1106	881+63.36	29.50' RT	1630.31	447049.13	612392.79	EOW
1107	881+58.36	29.50' RT	1630.36	447044.15	612392.32	EOW
1108	881+58.36	24.50' RT	1630.29	447044.63	612387.34	EOW

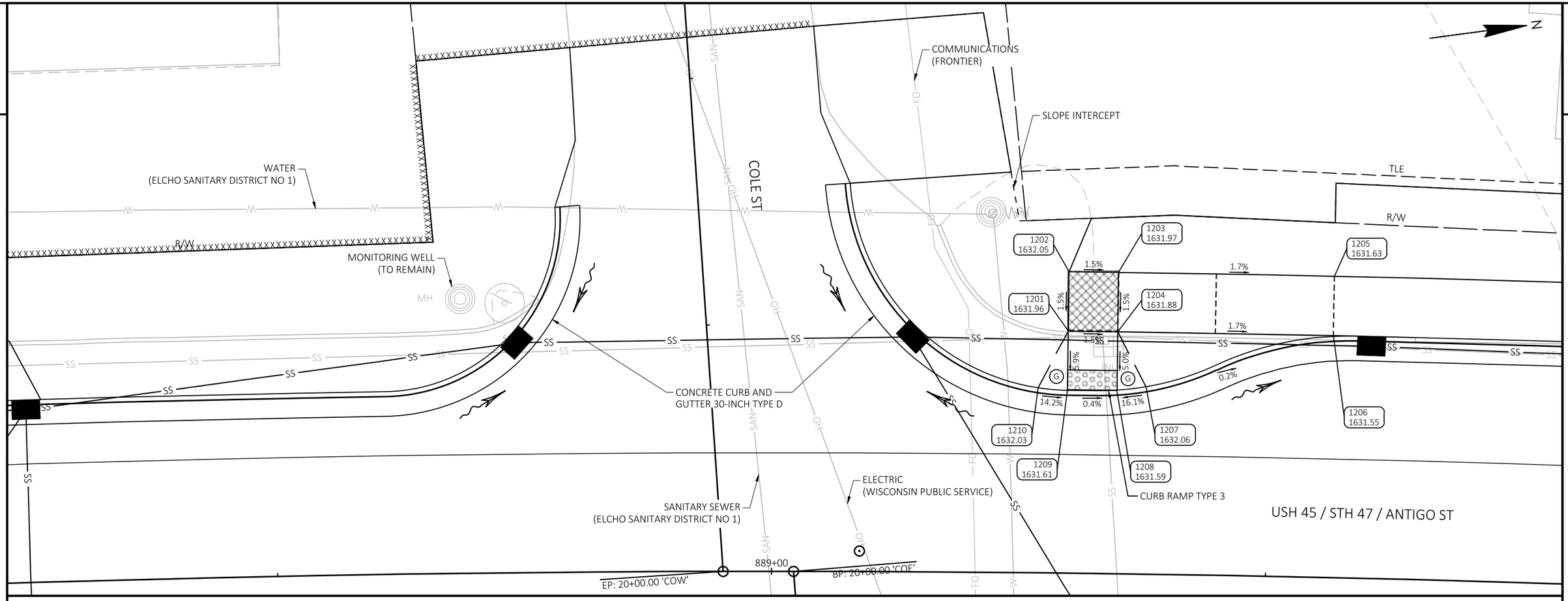
LEGEND:

- .XXXX. SAWING ASPHALT
- .XXXX. SAWING CONCRETE
- DETECTABLE WARNING FIELD
- LANDING AREA
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- (XXXX YYY.YY) POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST TO FIT FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CURB RAMP DETAILS	SHEET 21	E



LEGEND:

.XXXX.	SAWING ASPHALT
.XXXX.	SAWING CONCRETE
	DETECTABLE WARNING FIELD
	LANDING AREA
G	6:1 GRADED FLARE
C	10:1 CONCRETE FLARE
PED	CONCRETE CURB PEDESTRIAN
XXXX YYY.YY	POINT NUMBER & ELEVATION

NOTES:

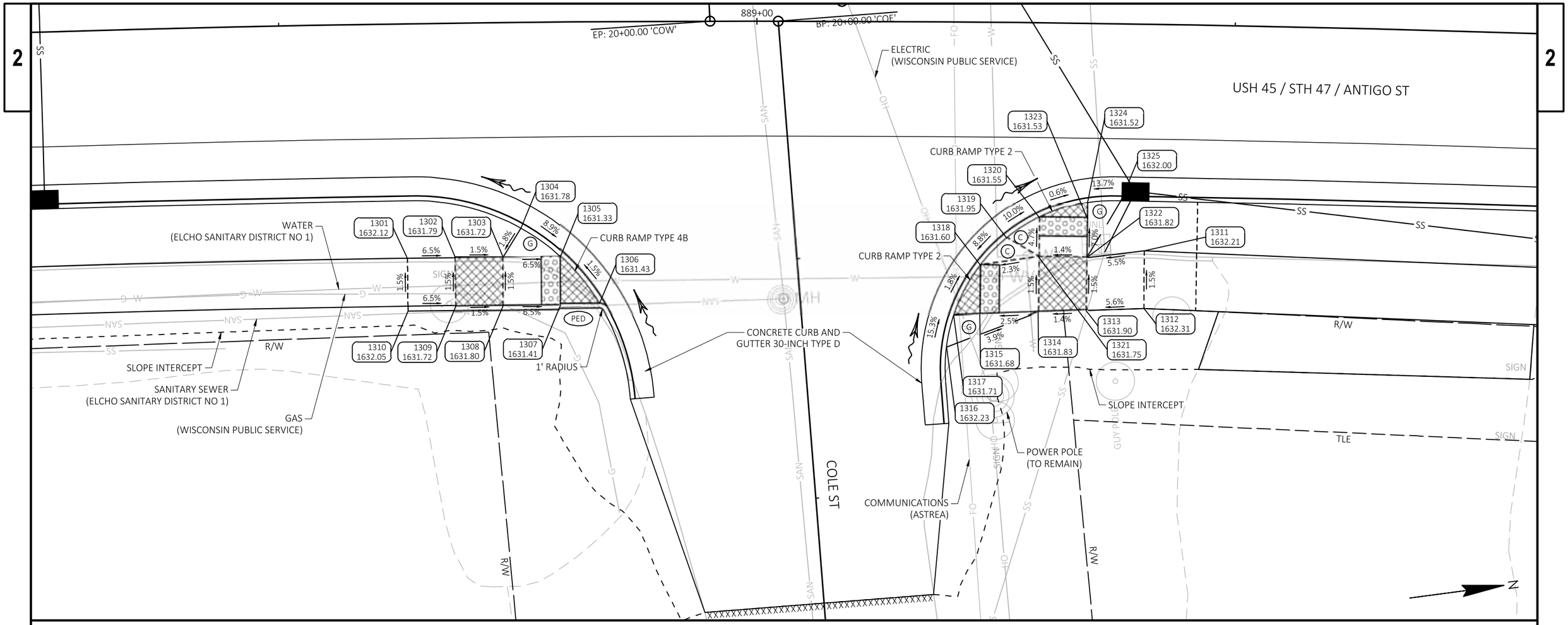
1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST TO FIT FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

COLE ST - NW QUAD

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1201	889+29.75	24.50' LT	1631.96	447818.05	612414.64	EOW
1202	889+29.75	30.50' LT	1632.05	447818.91	612408.70	EOW
1203	889+34.72	30.50' LT	1631.97	447823.88	612409.42	EOW
1204	889+34.72	24.50' LT	1631.88	447823.01	612415.36	EOW
1205	889+56.31	30.48' LT	1631.63	447845.49	612412.70	EOW
1206	889+56.33	24.49' LT	1631.55	447844.59	612418.63	EOW
1207	889+37.62	18.95' LT	1632.06	447825.10	612421.28	BOC
1208	889+34.72	18.57' LT	1631.59	447822.15	612421.22	BOC
1209	889+29.75	18.50' LT	1631.61	447817.19	612420.57	BOC
1210	889+26.77	18.73' LT	1632.03	447814.25	612419.92	BOC

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CURB RAMP DETAILS	SHEET 22 E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021302-cr
PLOT DATE : 4/27/2024 11:24 AM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT



COLE ST - SE QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1301	888+63.10	24.51' RT	1632.12	447745.59	612454.57	EOW
1302	888+68.12	24.50' RT	1631.79	447750.54	612455.14	EOW
1303	888+73.17	24.50' RT	1631.72	447755.50	612455.74	EOW
1304	888+75.10	21.50' RT	1631.78	447757.76	612452.99	BOC
1305	888+79.23	24.50' RT	1631.33	447761.46	612456.47	BOC
1306	888+83.33	29.47' RT	1631.43	447764.86	612461.90	BOC
1307	888+79.23	29.50' RT	1631.41	447760.84	612461.44	EOW
1308	888+73.16	29.50' RT	1631.80	447754.89	612460.70	EOW
1309	888+68.16	29.50' RT	1631.72	447749.98	612460.11	EOW
1310	888+63.06	30.00' RT	1632.05	447744.92	612460.02	EOW

LEGEND:

- .XXXX. SAWING ASPHALT
- .ΔΔΔΔ. SAWING CONCRETE
- DETECTABLE WARNING FIELD
- LANDING AREA
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY POINT NUMBER & ELEVATION

NOTES:

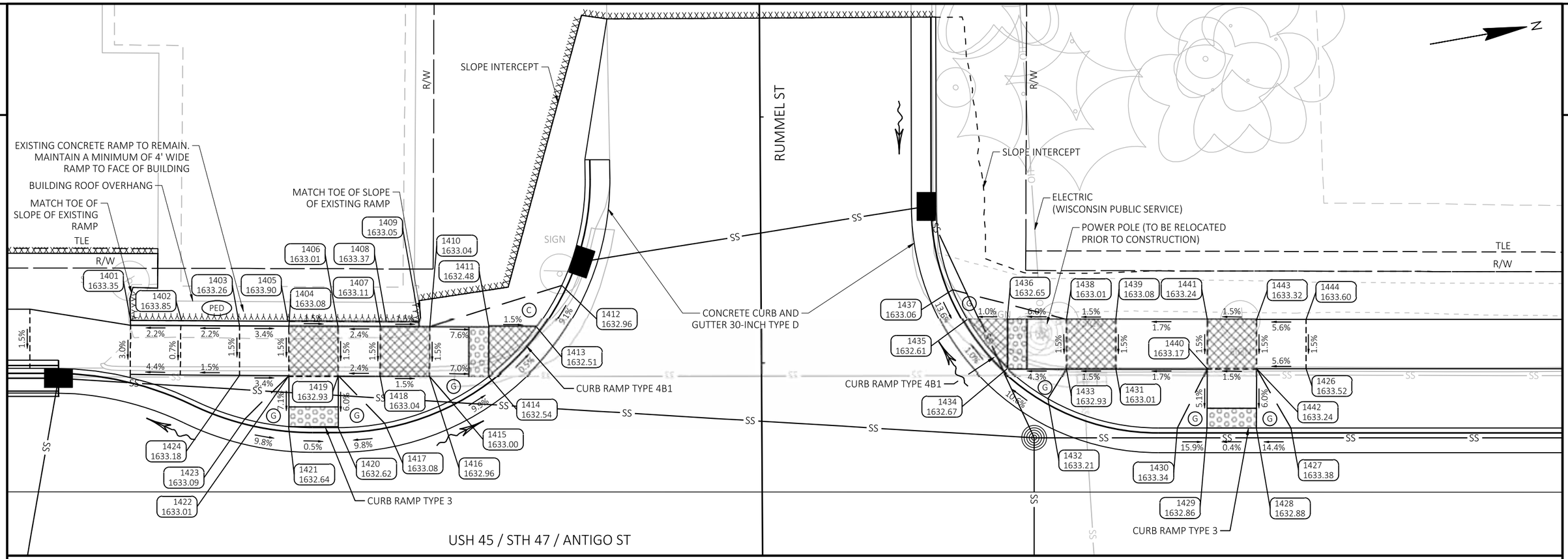
1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST TO FIT FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

COLE ST - NE QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1311	889+40.86	23.69' RT	1632.21	447822.04	612463.92	EOW
1312	889+40.94	29.69' RT	1632.31	447821.23	612469.87	EOW
1313	889+34.80	30.00' RT	1631.90	447815.19	612469.29	EOW
1314	889+29.75	30.24' RT	1631.83	447810.22	612468.82	EOW
1315	889+23.57	30.53' RT	1631.68	447804.13	612468.23	EOW
1316	889+20.07	34.00' RT	1632.23	447800.23	612471.18	BOC
1317	889+20.82	30.65' RT	1631.71	447801.42	612467.97	BOC
1318	889+23.61	25.43' RT	1631.60	447804.88	612463.19	BOC
1319	889+26.36	22.56' RT	1631.95	447807.98	612460.74	BOC
1320	889+29.75	20.37' RT	1631.55	447811.63	612459.04	BOC
1321	889+29.75	24.50' RT	1631.75	447811.04	612463.13	EOW
1322	889+34.80	24.50' RT	1631.82	447815.99	612463.85	EOW
1323	889+34.79	20.36' RT	1631.53	447816.58	612459.76	EOW
1324	889+34.80	18.74' RT	1631.52	447816.82	612458.15	BOC
1325	889+38.31	18.50' RT	1632.00	447820.31	612458.43	BOC

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CURB RAMP DETAILS	SHEET 23	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021303-cr

PLOT DATE : 4/27/2024 11:25 AM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT



RUMMEL ST - SW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1401	892+48.29	29.37' LT	1633.35	448133.53	612464.39	PED
1402	892+53.46	29.35' LT	1633.85	448138.61	612465.31	PED
1403	892+59.32	28.82' LT	1633.26	448144.29	612466.86	EOW
1404	892+64.32	28.79' LT	1633.08	448149.21	612467.76	EOW
1405	892+64.22	29.29' LT	1633.90	448149.20	612467.25	PED
1406	892+69.31	28.77' LT	1633.01	448154.12	612468.65	EOW
1407	892+73.60	28.75' LT	1633.11	448158.34	612469.42	EOW
1408	892+74.21	29.25' LT	1633.37	448159.02	612469.04	PED
1409	892+77.52	29.23' LT	1633.05	448162.28	612469.63	PED
1410	892+78.60	28.73' LT	1633.04	448163.26	612470.32	EOW
1411	892+84.60	28.70' LT	1632.48	448169.16	612471.40	EOW
1412	892+91.98	32.92' LT	1632.96	448177.16	612468.53	BOC
1413	892+89.44	28.68' LT	1632.51	448173.92	612472.26	BOC
1414	892+84.58	23.70' LT	1632.54	448168.26	612476.32	BOC
1415	892+80.70	21.24' LT	1633.00	448164.01	612478.06	EOW
1416	892+78.58	23.72' LT	1632.96	448162.36	612475.24	EOW
1417	892+74.05	18.95' LT	1633.08	448157.06	612479.15	BOC
1418	892+73.58	23.75' LT	1633.04	448157.44	612474.34	EOW
1419	892+69.32	23.77' LT	1632.93	448153.25	612473.58	EOW
1420	892+69.33	18.49' LT	1632.62	448152.33	612478.77	BOC

RUMMEL ST - SW QUAD CONT.						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1421	892+64.32	18.61' LT	1632.64	448147.42	612477.79	BOC
1422	892+64.32	23.79' LT	1633.01	448148.34	612472.68	EOW
1423	892+59.86	19.38' LT	1633.09	448143.17	612476.25	BOC
1424	892+59.32	23.82' LT	1633.18	448143.41	612471.78	EOW

RUMMEL ST - NW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1426	893+67.31	24.50' LT	1633.52	448249.86	612490.00	EOW
1427	893+65.81	18.50' LT	1633.38	448247.33	612495.64	BOC
1428	893+62.31	18.50' LT	1632.88	448243.89	612495.03	BOC
1429	893+57.31	18.50' LT	1632.86	448238.97	612494.15	BOC
1430	893+54.31	18.50' LT	1633.34	448236.01	612493.63	BOC
1431	893+48.07	24.50' LT	1633.01	448230.92	612486.63	EOW
1432	893+41.19	21.48' LT	1633.21	448223.61	612488.40	BOC
1433	893+43.07	24.50' LT	1632.93	448225.99	612485.76	EOW
1434	893+37.07	24.50' LT	1632.67	448220.09	612484.71	BOC
1435	893+33.03	29.50' LT	1632.61	448216.98	612479.08	BOC
1436	893+37.07	29.50' LT	1632.65	448220.96	612479.78	EOW
1437	893+31.54	32.48' LT	1633.06	448216.04	612475.88	BOC
1438	893+43.07	29.50' LT	1633.01	448226.87	612480.83	EOW
1439	893+48.07	29.50' LT	1633.08	448231.79	612481.71	EOW
1440	893+57.31	24.50' LT	1633.17	448240.02	612488.25	EOW
1441	893+57.31	29.50' LT	1633.24	448240.89	612483.32	EOW
1442	893+62.31	24.50' LT	1633.24	448244.94	612489.12	EOW
1443	893+62.31	29.50' LT	1633.32	448245.81	612484.20	EOW
1444	893+67.31	29.50' LT	1633.60	448250.74	612485.07	EOW

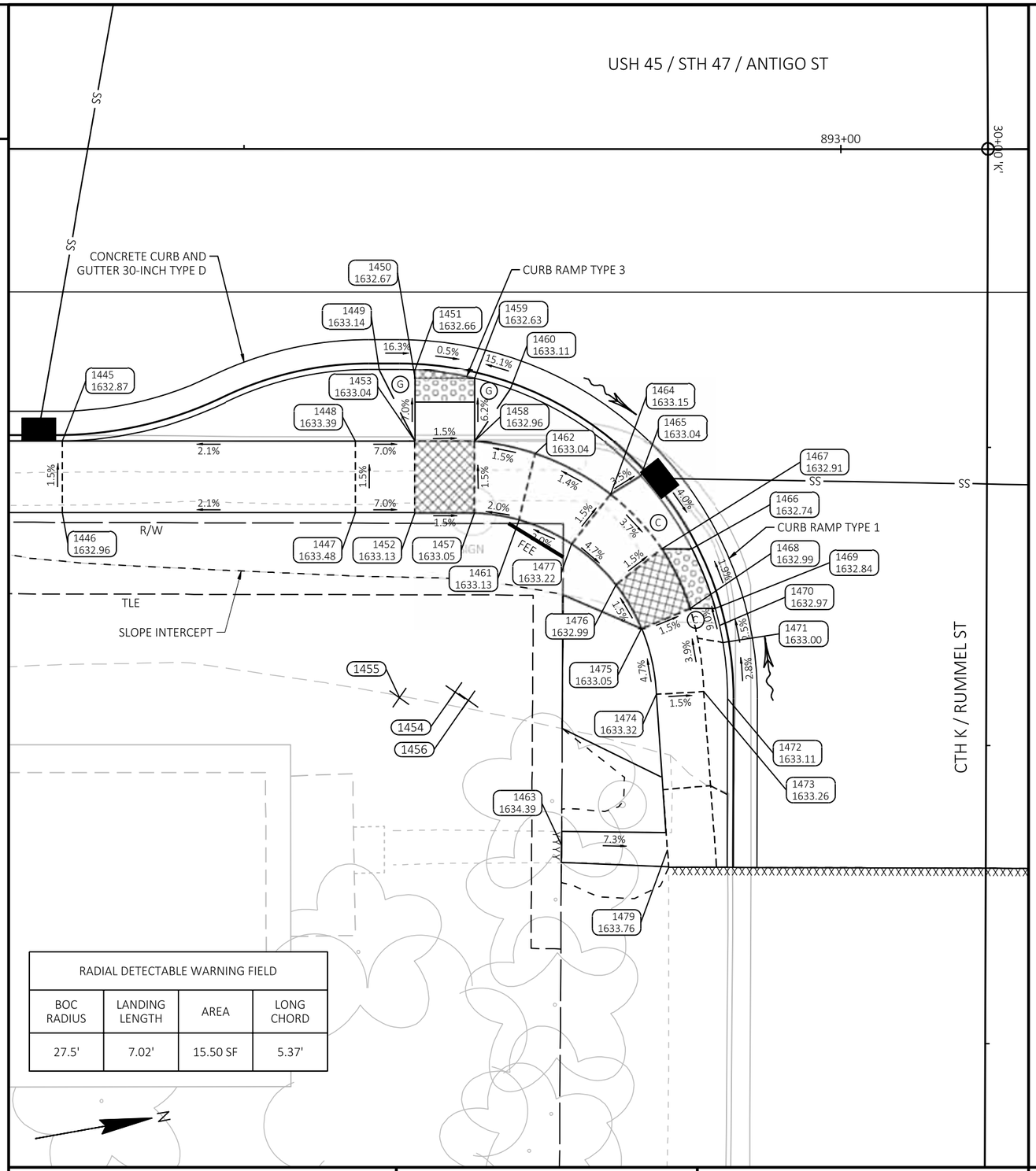
NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST TO FIT FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND:

- .XXXX. SAWING ASPHALT
- .XXXX. SAWING CONCRETE
- DETECTABLE WARNING FIELD
- LANDING AREA
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY POINT NUMBER & ELEVATION

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CURB RAMP DETAILS	SHEET 24	E



RADIAL DETECTABLE WARNING FIELD			
BOC RADIUS	LANDING LENGTH	AREA	LONG CHORD
27.5'	7.02'	15.50 SF	5.37'

RUMMEL ST - SE QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1445	892+34.75	24.50' RT	1632.87	448110.77	612515.06	EOW
1446	892+34.75	30.50' RT	1632.96	448109.72	612520.97	EOW
1447	892+59.32	30.50' RT	1633.48	448133.92	612525.26	EOW
1448	892+59.32	24.50' RT	1633.39	448134.97	612519.36	EOW
1449	892+61.32	18.53' RT	1633.14	448137.98	612513.83	BOC
1450	892+64.32	19.23' RT	1632.67	448140.81	612515.04	EOW
1451	892+64.32	18.53' RT	1632.66	448140.93	612514.35	BOC
1452	892+64.32	30.50' RT	1633.13	448138.84	612526.14	EOW
1453	892+64.32	24.50' RT	1633.04	448139.89	612520.23	EOW
1454	892+67.70	45.54' RT	-	448139.54	612541.54	21.1' RP FOW
1455	892+63.02	46.00' RT	-	448134.85	612541.17	27.5' RP DWF
1456	892+68.80	46.23' RT	-	448140.50	612542.41	15.8' RP BOW
1457	892+69.32	30.50' RT	1633.05	448143.76	612527.01	EOW
1458	892+69.32	24.50' RT	1632.96	448144.81	612521.10	EOW
1459	892+69.32	19.23' RT	1632.63	448145.73	612515.92	BOC
1460	892+72.32	20.12' RT	1633.11	448148.53	612517.32	BOC
1461	892+73.06	31.08' RT	1633.13	448147.34	612528.23	EOW
1462	892+74.42	25.53' RT	1633.04	448149.64	612523.01	EOW
1463	892+76.62	58.42' RT	1634.39	448146.07	612555.78	EOW
1464	892+80.73	28.94' RT	1633.15	448155.27	612527.47	EOW
1465	892+83.27	27.39' RT	1633.04	448158.04	612526.39	BOC
1466	892+87.52	33.50' RT	1632.74	448161.15	612533.15	BOC
1467	892+85.03	33.50' RT	1632.91	448158.70	612532.71	EOW
1468	892+87.40	38.50' RT	1632.99	448160.16	612538.05	EOW
1469	892+89.48	38.50' RT	1632.84	448162.21	612538.41	BOC
1470	892+89.85	39.95' RT	1632.97	448162.32	612539.91	BOW
1471	892+90.13	41.37' RT	1633.00	448162.35	612541.35	BOC
1472	892+90.52	46.08' RT	1633.11	448161.91	612546.06	BOC
1473	892+88.53	45.50' RT	1633.26	448160.05	612545.14	EOW
1474	892+84.56	45.71' RT	1633.32	448156.11	612544.65	EOW
1475	892+83.33	40.19' RT	1633.05	448155.86	612539.00	EOW
1476	892+81.18	36.52' RT	1632.99	448154.39	612535.01	EOW
1477	892+77.47	33.09' RT	1633.22	448151.33	612530.99	EOW
1479	892+85.48	58.74' RT	1633.76	448154.73	612557.64	EOW

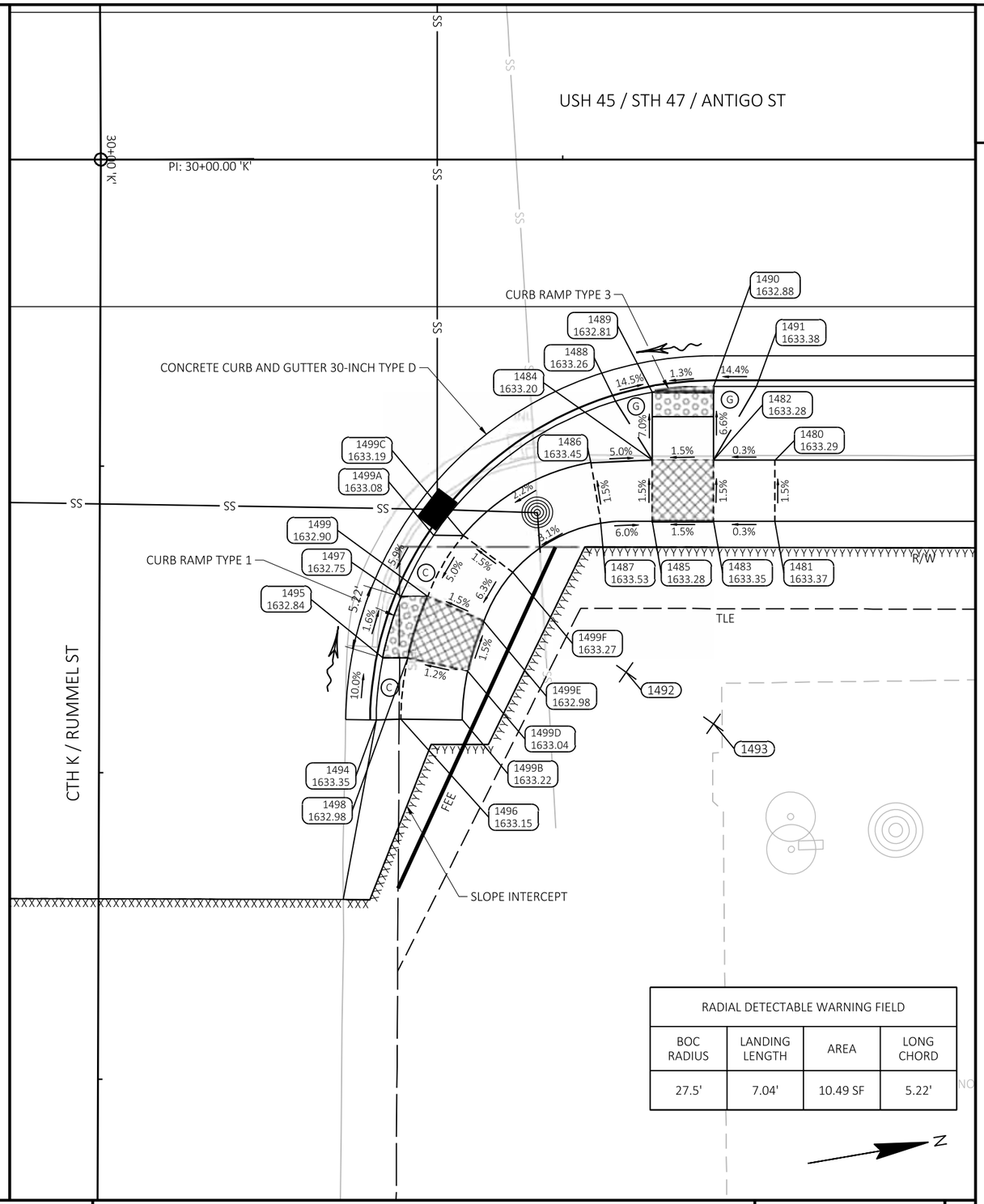
LEGEND:

- XXXX — SAWING ASPHALT
- XXXX — SAWING CONCRETE
- DETECTABLE WARNING FIELD
- LANDING AREA
- G — 6:1 GRADED FLARE
- C — 10:1 CONCRETE FLARE
- PED — CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY — POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST TO FIT FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

RUMMEL ST - NE QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1480	893+67.31	24.53' RT	1633.29	448241.29	612538.27	EOW
1481	893+67.31	29.50' RT	1633.37	448240.42	612543.16	EOW
1482	893+62.31	24.50' RT	1633.28	448236.37	612537.37	EOW
1483	893+62.31	29.50' RT	1633.35	448235.50	612542.29	EOW
1484	893+57.31	24.50' RT	1633.20	448231.45	612536.49	EOW
1485	893+57.31	29.50' RT	1633.28	448230.57	612541.41	EOW
1486	893+52.31	24.72' RT	1633.45	448226.49	612535.83	EOW
1487	893+53.14	29.65' RT	1633.53	448226.43	612540.83	EOW
1488	893+54.31	19.69' RT	1633.26	448229.33	612531.23	BOC
1489	893+57.31	18.96' RT	1632.81	448232.42	612531.03	BOC
1490	893+62.31	18.50' RT	1632.88	448237.42	612531.46	BOC
1491	893+65.81	18.50' RT	1633.38	448240.86	612532.07	BOC
1492	893+55.20	41.80' RT	-	448226.34	612553.16	12.3' RP BOW
1493	893+62.31	46.00' RT	-	448232.61	612558.54	27.5' RP DWF
1494	893+34.82	45.70' RT	1633.35	448205.59	612553.43	BOC
1495	893+35.35	40.63' RT	1632.84	448207.00	612548.53	BOC
1496	893+36.82	45.63' RT	1633.15	448207.57	612553.71	EOW
1497	893+36.84	35.63' RT	1632.75	448209.35	612543.87	BOC
1498	893+37.39	40.63' RT	1632.98	448209.01	612548.89	EOW
1499	893+39.02	35.64' RT	1632.90	448211.48	612544.26	EOW
1499A	893+39.51	30.64' RT	1633.08	448212.84	612539.42	BOC
1499B	893+41.82	45.65' RT	1633.22	448212.49	612554.61	EOW
1499C	893+41.94	30.64' RT	1633.19	448215.23	612539.85	EOW
1499D	893+42.27	41.68' RT	1633.04	448213.63	612550.78	EOW
1499E	893+43.58	37.67' RT	1632.98	448215.63	612547.06	EOW
1499F	893+45.95	33.65' RT	1633.27	448218.65	612543.52	EOW



RADIAL DETECTABLE WARNING FIELD			
BOC RADIUS	LANDING LENGTH	AREA	LONG CHORD
27.5'	7.04'	10.49 SF	5.22'

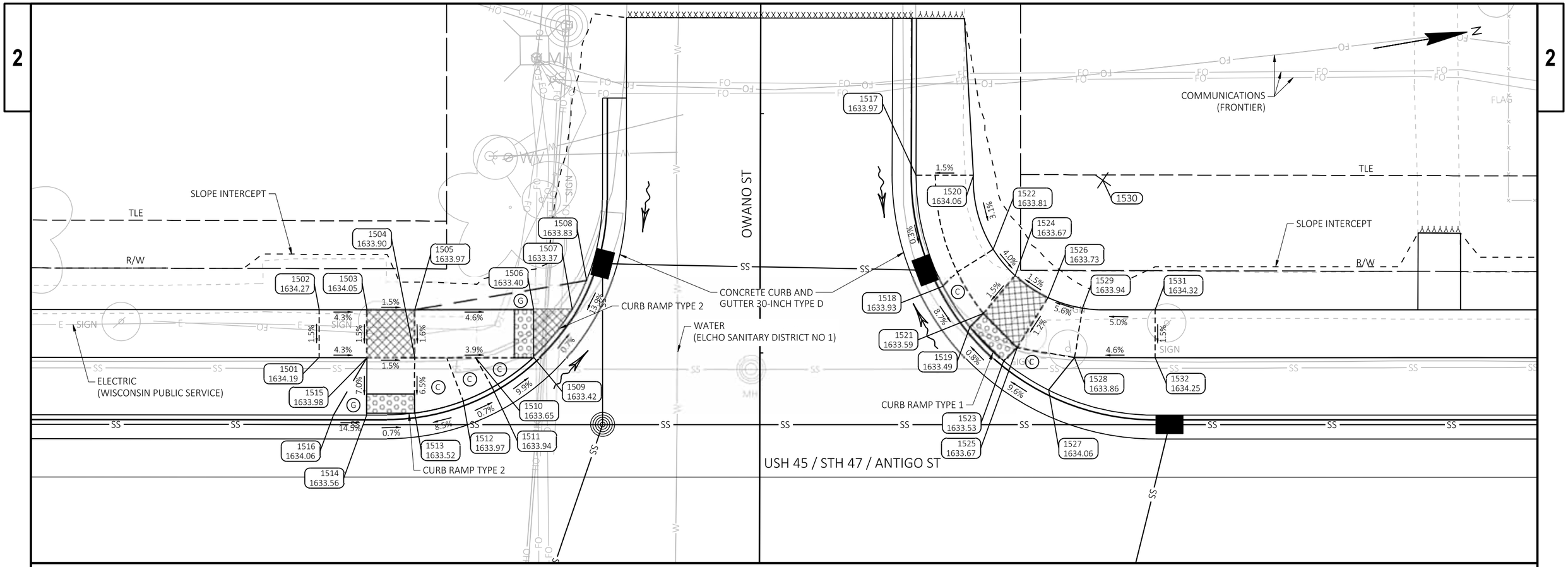
LEGEND:

- .XXXX. SAWING ASPHALT
- .XXXX. SAWING CONCRETE
- DETECTABLE WARNING FIELD
- LANDING AREA
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST TO FIT FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CURB RAMP DETAILS	SHEET 26	E



OWANO ST - SW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1501	896+26.01	24.50' LT	1634.19	448504.57	612535.23	EOW
1502	896+26.01	29.50' LT	1634.27	448505.44	612530.31	EOW
1503	896+31.01	29.50' LT	1634.05	448510.37	612531.19	EOW
1504	896+36.01	24.51' LT	1633.90	448514.42	612536.97	EOW
1505	896+36.01	29.50' LT	1633.97	448515.29	612532.06	EOW
1506	896+48.45	29.52' LT	1633.40	448527.54	612534.22	EOW
1507	896+52.49	29.52' LT	1633.37	448531.52	612534.92	BOC
1508	896+53.97	32.52' LT	1633.83	448533.51	612532.23	BOC
1509	896+48.45	24.52' LT	1633.42	448526.67	612539.14	BOC
1510	896+42.36	24.52' LT	1633.65	448520.68	612538.08	EOW
1511	896+44.13	21.37' LT	1633.94	448521.86	612541.49	BOC
1512	896+41.09	19.95' LT	1633.97	448518.62	612542.35	BOC
1513	896+36.01	18.68' LT	1633.52	448513.40	612542.71	BOC
1514	896+31.00	18.50' LT	1633.56	448508.43	612542.02	BOC
1515	896+31.01	24.50' LT	1633.98	448509.49	612536.11	EOW
1516	896+27.51	18.50' LT	1634.06	448505.00	612541.40	BOC

LEGEND:

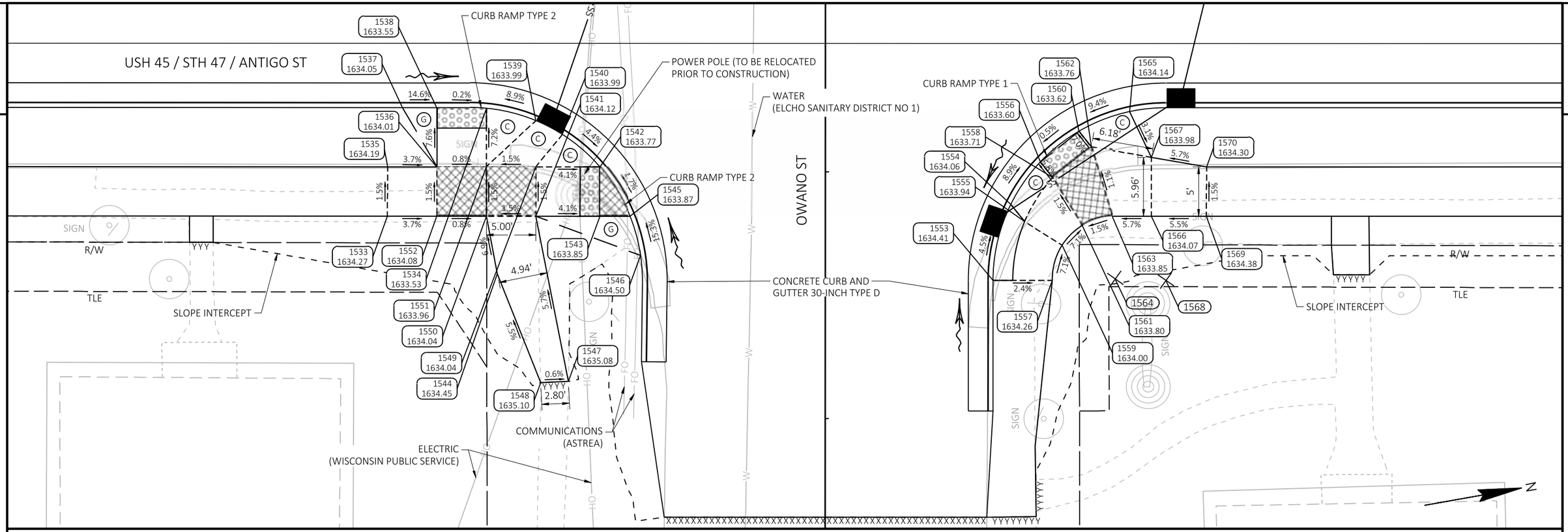
- .XXXX. SAWING ASPHALT
- .XXXX. SAWING CONCRETE
- DETECTABLE WARNING FIELD
- LANDING AREA
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST TO FIT FIELD CONDITIONS.
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4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

OWANO ST - NW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1517	896+88.42	43.56' LT	1633.97	448569.36	612527.38	BOC
1518	896+91.24	31.97' LT	1633.93	448570.10	612539.28	BOC
1519	896+94.05	27.70' LT	1633.49	448572.12	612543.98	BOC
1520	896+94.42	43.54' LT	1634.06	448575.26	612528.45	EOW
1521	896+95.47	29.12' LT	1633.59	448573.77	612542.83	EOW
1522	896+96.49	35.82' LT	1633.81	448575.95	612536.41	EOW
1523	896+97.59	24.17' LT	1633.53	448574.99	612548.08	BOC
1524	896+98.79	33.07' LT	1633.67	448577.72	612539.53	EOW
1525	896+99.00	25.58' LT	1633.67	448576.63	612546.93	EOW
1526	897+02.22	30.76' LT	1633.73	448580.70	612542.39	EOW
1527	897+02.28	21.12' LT	1634.06	448579.07	612551.90	BOC
1528	897+05.00	24.50' LT	1633.86	448582.34	612549.05	EOW
1529	897+05.82	29.66' LT	1633.94	448584.05	612544.11	EOW
1530	897+07.95	43.03' LT	-	448588.49	612531.32	13.5' RP BOW
1531	897+13.42	29.50' LT	1634.32	448591.51	612545.60	EOW
1532	897+13.42	24.51' LT	1634.25	448590.63	612550.51	EOW

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CURB RAMP DETAILS	SHEET 27	E



OWANO ST - SE QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1533	896+26.08	29.50' RT	1634.27	448495.20	612588.42	EOW
1534	896+36.08	18.58' RT	1633.53	448506.95	612579.42	BOC
1535	896+26.08	24.50' RT	1634.19	448496.07	612583.49	EOW
1536	896+31.08	24.50' RT	1634.01	448500.99	612584.37	EOW
1537	896+27.58	18.50' RT	1634.05	448498.60	612577.85	BOC
1538	896+31.08	18.58' RT	1633.55	448502.03	612578.54	BOC
1539	896+41.08	19.83' RT	1633.99	448511.66	612581.52	BOC
1540	896+43.77	21.24' RT	1633.99	448514.06	612583.38	BOC
1541	896+41.08	29.50' RT	1634.12	448509.97	612591.04	EOW
1542	896+47.58	24.50' RT	1633.77	448517.24	612587.25	BOC
1543	896+47.58	29.50' RT	1633.85	448516.37	612592.18	EOW
1544	896+37.21	35.34' RT	1634.45	448505.13	612596.11	EOW
1545	896+50.62	29.50' RT	1633.87	448519.36	612592.71	BOC
1546	896+51.70	33.49' RT	1634.50	448519.73	612596.82	BOC
1547	896+44.41	46.23' RT	1635.08	448510.32	612608.10	EOW
1548	896+41.61	46.36' RT	1635.10	448507.54	612607.73	EOW
1549	896+41.08	24.50' RT	1634.04	448510.84	612586.12	EOW
1550	896+36.08	29.50' RT	1634.04	448505.04	612590.16	EOW
1551	896+36.08	24.49' RT	1633.96	448505.92	612585.24	EOW
1552	896+31.08	29.50' RT	1634.08	448500.12	612589.29	EOW

LEGEND:

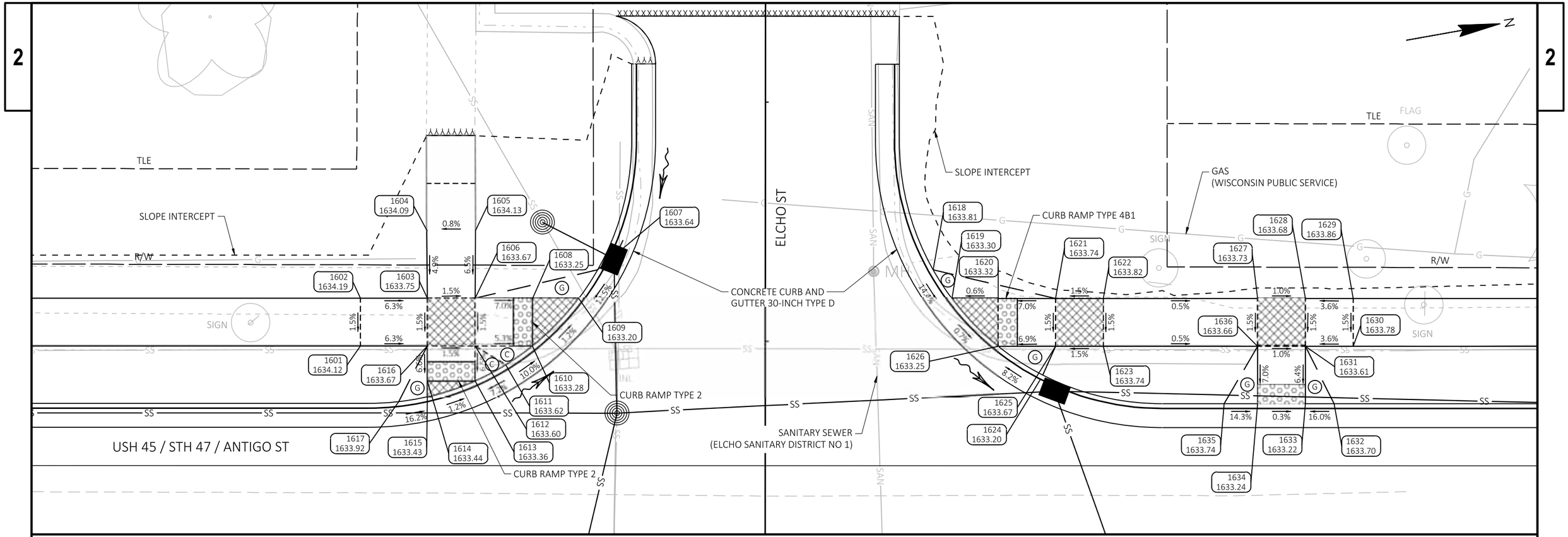
- .XXXX. SAWING ASPHALT
- .ΔΔΔΔ. SAWING CONCRETE
- DETECTABLE WARNING FIELD
- LANDING AREA
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX / YYY.YY POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST TO FIT FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

OWANO ST - NE QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1553	896+87.41	36.01' RT	1634.41	448554.45	612605.55	BOC
1554	896+89.20	28.29' RT	1634.06	448557.56	612598.26	BOC
1555	896+90.60	30.05' RT	1633.94	448558.63	612600.24	EOW
1556	896+92.18	23.99' RT	1633.60	448561.24	612594.55	BOC
1557	896+93.41	36.00' RT	1634.26	448560.35	612606.59	EOW
1558	896+93.44	25.58' RT	1633.71	448562.20	612596.34	EOW
1559	896+94.39	32.45' RT	1634.00	448561.94	612603.26	EOW
1560	896+96.10	20.89' RT	1633.62	448565.65	612592.19	BOC
1561	896+96.43	30.43' RT	1633.80	448564.30	612601.64	EOW
1562	896+97.36	22.48' RT	1633.76	448566.60	612593.97	EOW
1563	896+99.45	29.49' RT	1633.85	448567.43	612601.24	EOW
1564	896+99.78	35.85' RT	-	448566.65	612607.55	6.4' RP BOW
1565	897+01.23	18.89' RT	1634.14	448571.04	612591.11	BOC
1566	897+03.43	29.49' RT	1634.07	448571.36	612601.94	EOW
1567	897+03.44	23.53' RT	1633.98	448572.40	612596.06	EOW
1568	897+04.91	36.00' RT	-	448571.68	612608.60	17.5' RP BOC
1569	897+09.01	29.50' RT	1634.38	448576.85	612602.91	EOW
1570	897+09.01	24.50' RT	1634.30	448577.73	612597.99	EOW

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CURB RAMP DETAILS	SHEET 28	E



ELCHO ST - SW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1601	899+74.91	24.50' LT	1634.12	448848.09	612596.25	EOW
1602	899+74.91	29.50' LT	1634.19	448848.97	612591.33	EOW
1603	899+81.91	29.50' LT	1633.75	448855.86	612592.55	EOW
1604	899+81.91	36.50' LT	1634.09	448857.08	612585.66	EOW
1605	899+86.93	36.50' LT	1634.13	448862.03	612586.54	EOW
1606	899+86.91	29.50' LT	1633.67	448860.78	612593.43	EOW
1607	899+99.72	32.50' LT	1633.64	448873.92	612592.71	BOC
1608	899+92.91	29.50' LT	1633.25	448866.69	612594.48	EOW
1609	899+97.76	29.50' LT	1633.20	448871.47	612595.33	BOC
1610	899+92.91	24.50' LT	1633.28	448865.81	612599.40	BOC
1611	899+90.10	22.53' LT	1633.62	448862.71	612600.84	BOC
1612	899+86.91	24.50' LT	1633.60	448859.91	612598.35	EOW
1613	899+86.91	20.86' LT	1633.36	448859.27	612601.93	BOC
1614	899+81.91	20.86' LT	1633.44	448854.35	612601.06	EOW
1615	899+81.91	19.19' LT	1633.43	448854.06	612602.70	BOC
1616	899+81.91	24.50' LT	1633.67	448854.98	612597.48	EOW
1617	899+78.90	18.68' LT	1633.92	448851.01	612602.68	BOC

LEGEND:

- XXXX — SAWING ASPHALT
- XXXX — SAWING CONCRETE
- DETECTABLE WARNING FIELD
- LANDING AREA
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY — POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST TO FIT FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

ELCHO ST - NW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1618	900+34.81	32.49' LT	1633.81	448908.47	612598.86	BOC
1619	900+36.77	29.50' LT	1633.30	448909.87	612602.15	BOC
1620	900+41.63	29.49' LT	1633.32	448914.65	612603.00	EOW
1621	900+47.63	29.49' LT	1633.74	448920.56	612604.05	EOW
1622	900+52.63	29.50' LT	1633.82	448925.49	612604.92	EOW
1623	900+52.63	24.50' LT	1633.74	448924.61	612609.84	EOW
1624	900+46.05	21.05' LT	1633.20	448917.54	612612.09	BOC
1625	900+47.63	24.49' LT	1633.67	448919.69	612608.97	EOW
1626	900+41.62	24.49' LT	1633.25	448913.78	612607.92	BOC
1627	900+68.75	29.50' LT	1633.73	448941.36	612607.74	EOW
1628	900+73.75	29.50' LT	1633.68	448946.28	612608.61	EOW
1629	900+78.75	29.50' LT	1633.86	448951.21	612609.49	EOW
1630	900+78.75	24.50' LT	1633.78	448950.33	612614.41	EOW
1631	900+73.75	24.50' LT	1633.61	448945.41	612613.53	EOW
1632	900+76.74	18.50' LT	1633.70	448947.31	612619.97	BOC
1633	900+73.75	18.50' LT	1633.22	448944.36	612619.44	BOC
1634	900+68.75	18.50' LT	1633.24	448939.44	612618.57	BOC
1635	900+65.24	18.50' LT	1633.74	448935.99	612617.95	BOC
1636	900+68.75	24.50' LT	1633.66	448940.49	612612.66	EOW

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CURB RAMP DETAILS	SHEET 29	E

2

ELCHO ST - SE QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1635	899+76.41	29.50' RT	1634.16	448840.12	612649.68	EOW
1636	899+76.41	24.50' RT	1634.08	448841.00	612644.76	EOW
1637	899+78.41	18.50' RT	1633.97	448844.02	612639.20	BOC
1638	899+81.91	18.50' RT	1633.46	448847.46	612639.81	BOC
1639	899+86.91	18.50' RT	1633.45	448852.39	612640.68	BOC
1640	899+89.91	18.50' RT	1633.92	448855.34	612641.21	BOC
1641	899+86.91	24.50' RT	1633.81	448851.34	612646.59	EOW
1642	900+04.75	21.50' RT	1634.05	448869.43	612646.76	BOC
1643	900+08.83	24.50' RT	1633.62	448872.92	612650.43	BOC
1644	900+12.87	29.50' RT	1633.69	448876.02	612656.06	BOC
1645	900+14.32	32.49' RT	1634.21	448876.93	612659.25	BOC
1646	899+97.83	24.50' RT	1634.08	448862.09	612648.50	EOW
1647	900+02.83	24.50' RT	1634.01	448867.01	612649.38	EOW
1648	900+08.83	29.50' RT	1633.66	448872.04	612655.35	EOW
1649	900+02.83	29.50' RT	1634.08	448866.14	612654.30	EOW
1650	900+04.20	46.13' RT	1635.19	448864.58	612670.91	EOW
1651	899+99.33	46.00' RT	1635.32	448859.81	612669.93	EOW
1652	899+97.83	29.50' RT	1634.16	448861.21	612653.43	EOW
1653	899+86.91	29.50' RT	1633.88	448850.46	612651.52	EOW
1654	899+81.91	29.50' RT	1633.96	448845.54	612650.64	EOW
1655	899+81.91	24.50' RT	1633.88	448846.41	612645.72	EOW

NOTES:

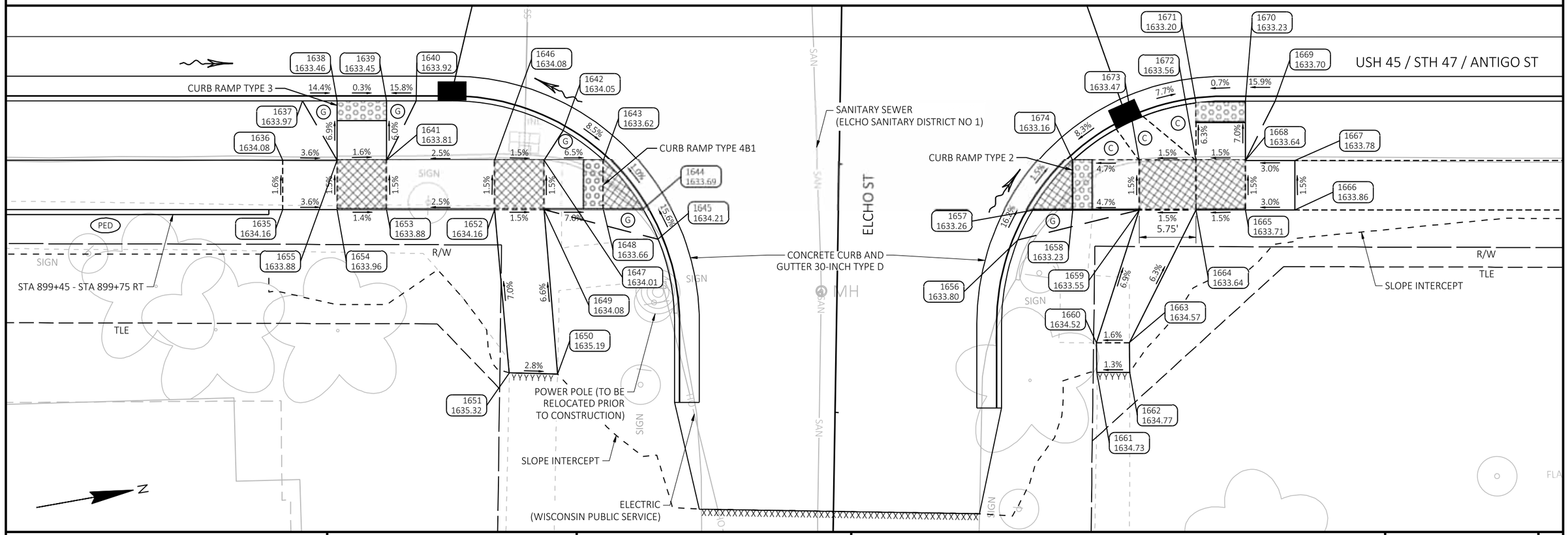
1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST TO FIT FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND:

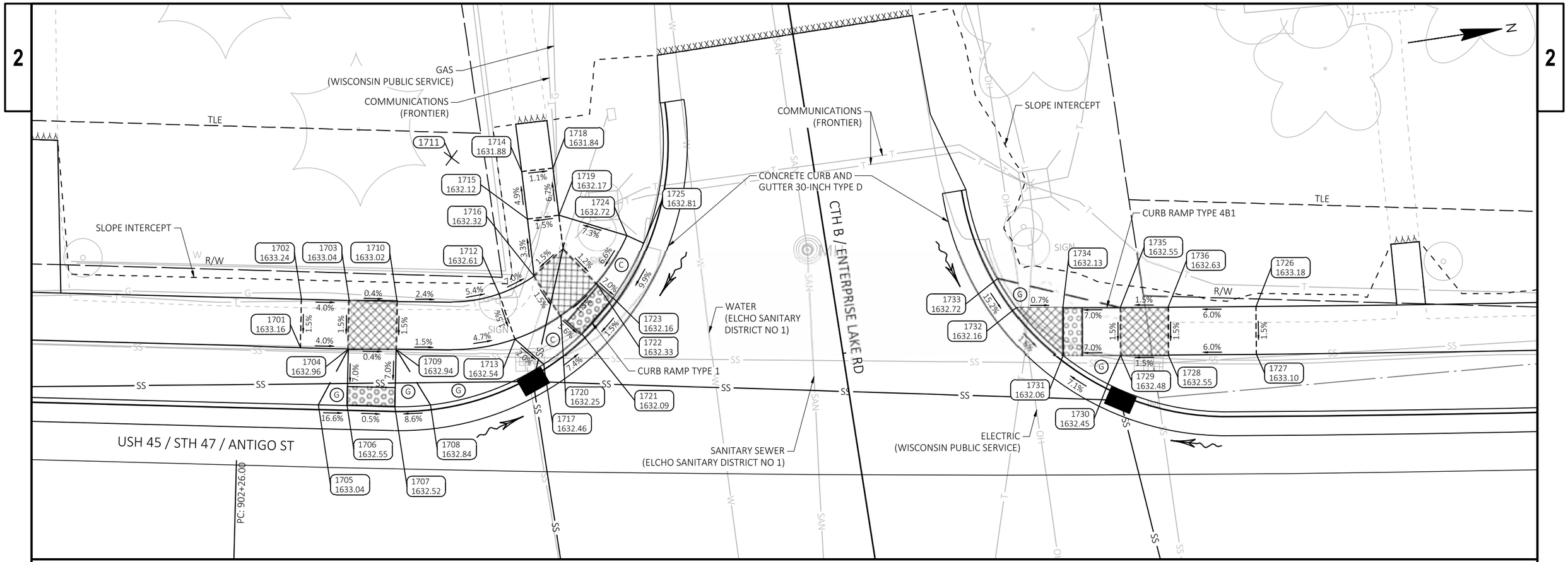
- XXXX — SAWING ASPHALT
- XXXX — SAWING CONCRETE
- DETECTABLE WARNING FIELD
- LANDING AREA
- G — 6:1 GRADED FLARE
- C — 10:1 CONCRETE FLARE
- PED — CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY — POINT NUMBER & ELEVATION

ELCHO ST - NE QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1656	900+50.75	32.54' RT	1633.80	448912.79	612665.68	BOC
1657	900+52.23	29.55' RT	1633.26	448914.78	612662.99	BOC
1658	900+56.27	29.54' RT	1633.23	448918.76	612663.68	EOW
1659	900+63.01	29.52' RT	1633.55	448925.39	612664.85	EOW
1660	900+58.69	42.94' RT	1634.52	448918.78	612677.30	EOW
1661	900+58.73	45.94' RT	1634.73	448918.31	612680.26	EOW
1662	900+62.05	45.93' RT	1634.77	448921.58	612680.83	EOW
1663	900+62.04	42.90' RT	1634.57	448922.09	612677.85	EOW
1664	900+68.76	29.52' RT	1633.64	448931.06	612665.84	EOW
1665	900+73.76	29.51' RT	1633.71	448935.98	612666.71	EOW
1666	900+78.76	29.50' RT	1633.86	448940.90	612667.58	EOW
1667	900+78.76	24.50' RT	1633.78	448941.77	612662.66	EOW
1668	900+73.76	24.50' RT	1633.64	448936.85	612661.78	EOW
1669	900+76.75	18.50' RT	1633.70	448940.84	612656.39	BOC
1670	900+73.75	18.50' RT	1633.23	448937.89	612655.87	BOC
1671	900+68.75	18.68' RT	1633.20	448932.93	612655.18	BOC
1672	900+68.76	24.52' RT	1633.56	448931.92	612660.92	EOW
1673	900+63.01	24.52' RT	1633.47	448926.26	612659.92	BOC
1674	900+56.27	24.53' RT	1633.16	448919.63	612658.75	BOC

2



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CURB RAMP DETAILS	SHEET 30	E



ENTERPRISE LAKE ROAD - SW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1701	902+32.44	24.43' LT	1633.16	449101.59	612641.34	EOW
1702	902+32.41	29.50' LT	1633.24	449102.44	612636.34	EOW
1703	902+37.46	29.50' LT	1633.04	449107.37	612637.20	EOW
1704	902+37.48	24.44' LT	1632.96	449106.51	612642.19	EOW
1705	902+34.48	18.51' LT	1633.04	449102.57	612647.52	BOC
1706	902+37.49	18.51' LT	1632.55	449105.52	612648.03	BOC
1707	902+42.52	18.50' LT	1632.52	449110.44	612648.89	BOC
1708	902+46.29	18.75' LT	1632.84	449114.17	612649.28	BOC
1709	902+42.53	24.50' LT	1632.94	449111.46	612642.98	EOW
1710	902+42.51	29.50' LT	1633.02	449112.30	612638.05	EOW
1711	902+47.98	44.63' LT	-	449120.17	612624.05	15.1' RP EOW
1712	902+53.28	30.49' LT	1632.61	449122.97	612638.86	EOW
1713	902+55.03	25.80' LT	1632.54	449123.90	612643.77	EOW
1714	902+55.47	43.33' LT	1631.88	449127.23	612626.56	EOW
1715	902+56.14	38.38' LT	1632.12	449127.07	612631.55	EOW
1716	902+56.95	32.43' LT	1632.32	449126.87	612637.55	EOW
1717	902+58.11	23.22' LT	1632.46	449126.49	612646.82	BOC

ENTERPRISE LAKE ROAD - SW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1718	902+58.75	43.77' LT	1631.84	449130.49	612626.66	EOW
1719	902+59.47	38.82' LT	1632.17	449130.38	612631.66	EOW
1720	902+59.83	28.32' LT	1632.25	449129.02	612642.07	EOW
1721	902+62.08	26.43' LT	1632.09	449130.90	612644.30	BOC
1722	902+63.57	31.74' LT	1632.33	449133.22	612639.30	EOW
1723	902+65.35	30.24' LT	1632.16	449134.72	612641.06	BOC
1724	902+66.72	36.79' LT	1632.72	449137.11	612634.82	EOW
1725	902+68.51	36.03' LT	1632.81	449138.73	612635.85	BOC

ENTERPRISE LAKE ROAD - NW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1726	903+33.24	29.50' LT	1633.18	449201.05	612651.94	EOW
1727	903+33.23	24.52' LT	1633.10	449200.35	612656.87	EOW
1728	903+23.95	24.50' LT	1632.55	449191.23	612655.59	EOW
1729	903+18.91	24.50' LT	1632.48	449186.28	612654.87	EOW
1730	903+17.57	21.50' LT	1632.45	449184.54	612657.65	BOC
1731	903+12.86	24.50' LT	1632.06	449180.34	612654.00	BOC
1732	903+07.93	29.50' LT	1632.16	449176.25	612648.33	BOC
1733	903+05.92	32.52' LT	1632.72	449174.73	612645.05	BOC
1734	903+12.85	29.50' LT	1632.13	449181.07	612649.05	EOW
1735	903+18.92	29.50' LT	1632.55	449187.01	612649.92	EOW
1736	903+23.97	29.50' LT	1632.63	449191.96	612650.64	EOW

NOTES:

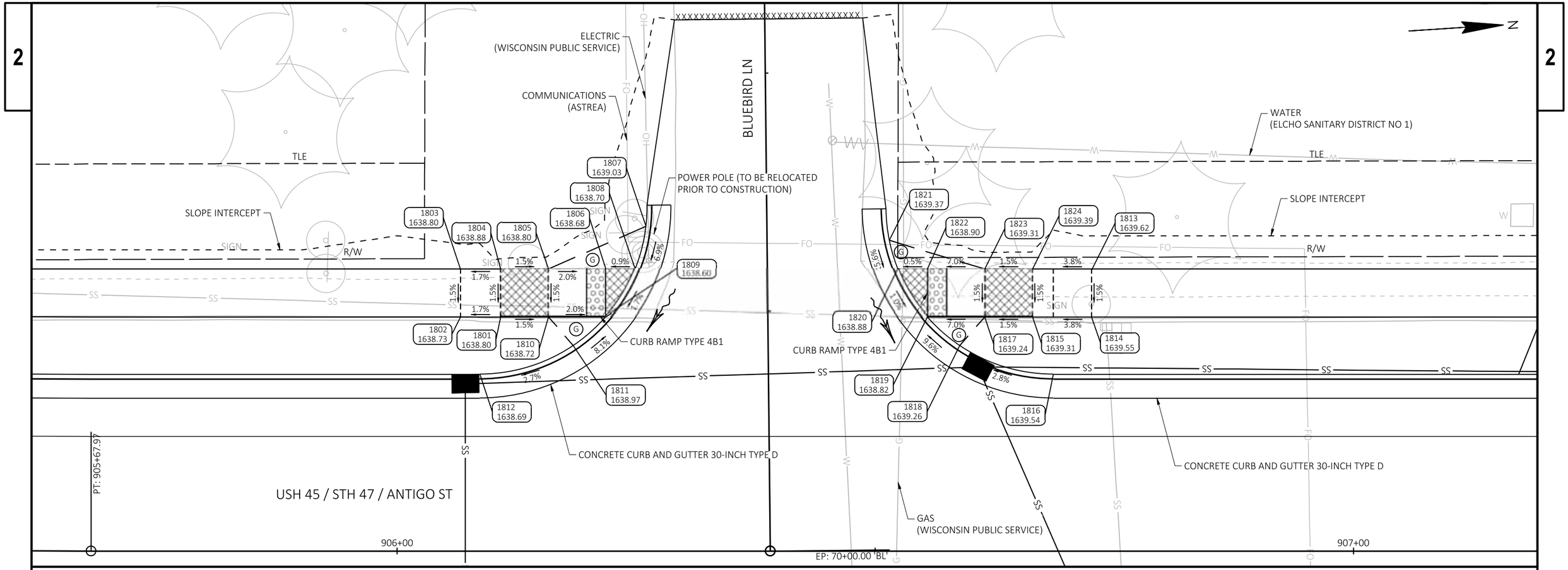
1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST TO FIT FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND:

- .XXXX. SAWING ASPHALT
- .ΔΔΔΔ. SAWING CONCRETE
- DETECTABLE WARNING FIELD
- LANDING AREA
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY POINT NUMBER & ELEVATION

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CURB RAMP DETAILS	SHEET 31	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021311-cr
PLOT DATE : 4/27/2024 11:29 AM
PLOT BY : SHAWN DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



BLUEBIRD ST - SW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1801	906+10.82	24.50' LT	1638.80	449474.69	612683.05	EOW
1802	906+06.63	24.50' LT	1638.73	449470.51	612682.79	EOW
1803	906+06.63	29.50' LT	1638.80	449470.82	612677.80	EOW
1804	906+10.82	29.50' LT	1638.88	449475.00	612678.06	EOW
1805	906+15.82	29.50' LT	1638.80	449479.99	612678.37	EOW
1806	906+21.82	29.50' LT	1638.68	449485.98	612678.74	EOW
1807	906+26.01	33.99' LT	1639.03	449490.44	612674.51	BOC
1808	906+24.88	29.50' LT	1638.70	449489.03	612678.93	BOC
1809	906+21.82	24.50' LT	1638.60	449485.67	612683.73	BOC
1810	906+15.82	24.50' LT	1638.72	449479.68	612683.36	EOW
1811	906+18.43	21.50' LT	1638.97	449482.10	612686.51	BOC
1812	906+08.64	18.50' LT	1638.69	449472.14	612688.90	BOC

LEGEND:

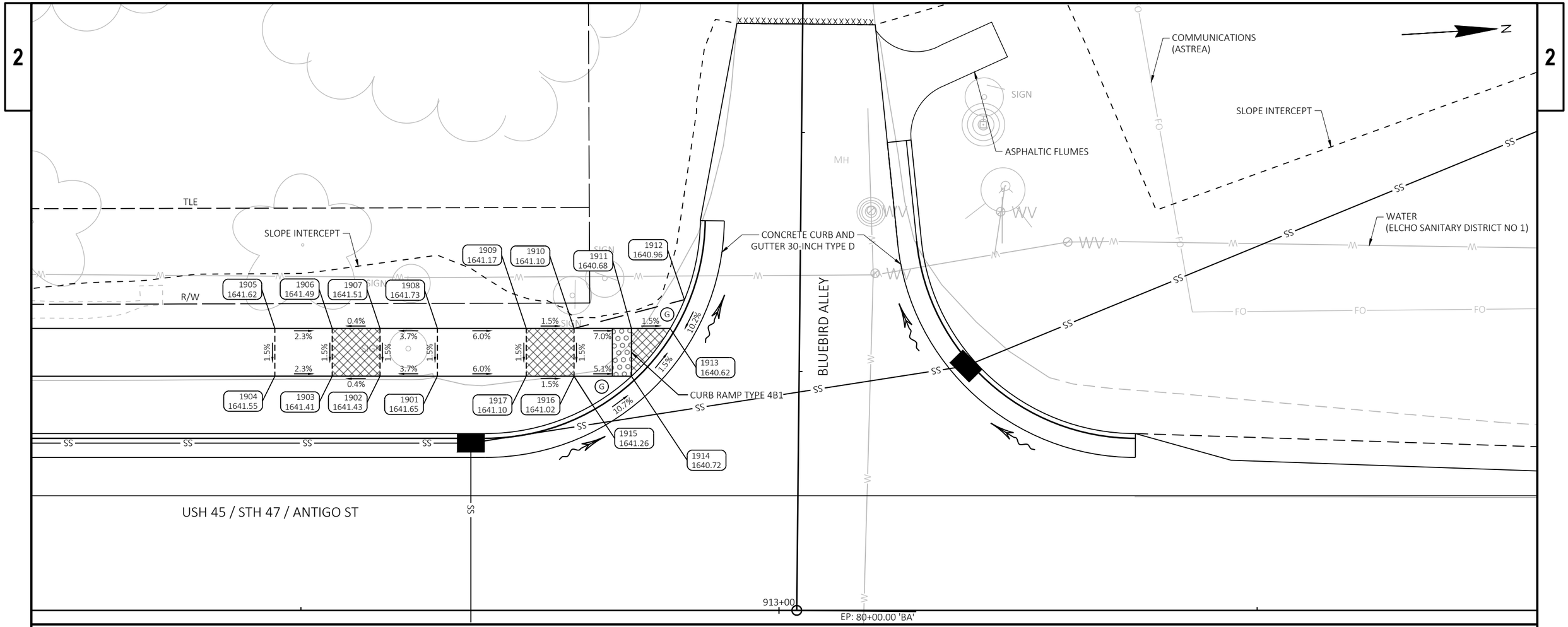
- .XXXX. SAWING ASPHALT
- .XXXX. SAWING CONCRETE
- DETECTABLE WARNING FIELD
- LANDING AREA
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY POINT NUMBER & ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST TO FIT FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

BLUEBIRD ST - NW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1813	906+72.63	29.37' LT	1639.62	449536.68	612682.02	EOW
1814	906+72.63	24.50' LT	1639.55	449536.38	612686.89	EOW
1815	906+66.44	24.50' LT	1639.31	449530.20	612686.50	EOW
1816	906+68.63	18.50' LT	1639.54	449532.02	612692.62	BOC
1817	906+61.44	24.50' LT	1639.24	449525.21	612686.19	EOW
1818	906+58.83	21.50' LT	1639.26	449522.42	612689.02	BOC
1819	906+55.44	24.50' LT	1638.82	449519.23	612685.82	BOC
1820	906+52.38	29.50' LT	1638.88	449516.48	612680.64	BOC
1821	906+51.48	32.54' LT	1639.37	449515.77	612677.54	BOC
1822	906+55.44	29.50' LT	1638.90	449519.53	612680.83	EOW
1823	906+61.44	29.50' LT	1639.31	449525.52	612681.20	EOW
1824	906+66.44	29.50' LT	1639.39	449530.51	612681.51	EOW

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CURB RAMP DETAILS	SHEET 32	E



BLUEBIRD ALLEY - SW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1901	912+64.28	24.50' LT	1641.65	450126.89	612723.61	EOW
1902	912+58.28	24.50' LT	1641.43	450120.90	612723.24	EOW
1903	912+53.28	24.50' LT	1641.41	450115.91	612722.93	EOW
1904	912+47.28	24.50' LT	1641.55	450109.92	612722.55	EOW
1905	912+47.28	29.50' LT	1641.62	450110.23	612717.56	EOW
1906	912+53.28	29.50' LT	1641.49	450116.22	612717.93	EOW
1907	912+58.28	29.50' LT	1641.51	450121.21	612718.25	EOW
1908	912+64.28	29.50' LT	1641.73	450127.20	612718.62	EOW
1909	912+73.57	29.50' LT	1641.17	450136.47	612719.19	EOW
1910	912+78.57	29.50' LT	1641.10	450141.46	612719.50	EOW
1911	912+84.57	29.50' LT	1640.68	450147.45	612719.88	EOW
1912	912+90.10	32.50' LT	1640.96	450153.16	612717.23	BOC
1913	912+88.61	29.50' LT	1640.62	450151.48	612720.13	BOC

BLUEBIRD ALLEY - SW QUAD						
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING	DESCRIPTION
1914	912+84.57	24.50' LT	1640.72	450147.14	612724.87	BOC
1915	912+80.50	21.50' LT	1641.26	450142.89	612727.61	BOC
1916	912+78.57	24.50' LT	1641.02	450141.15	612724.50	EOW
1917	912+73.57	24.50' LT	1641.10	450136.16	612724.18	EOW

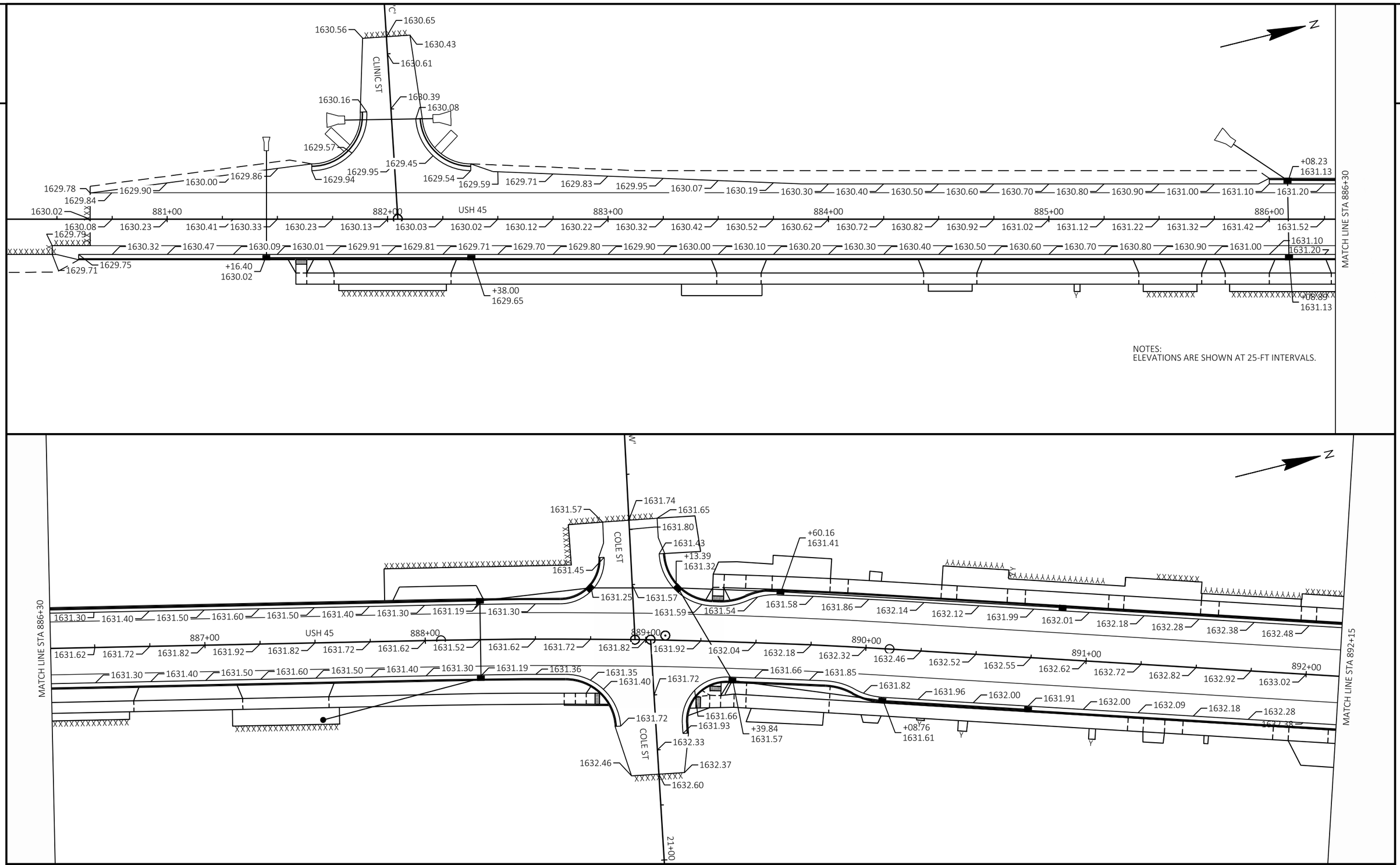
NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST TO FIT FIELD CONDITIONS.
3. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
4. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

LEGEND:

- XXXX — SAWING ASPHALT
- XXXX — SAWING CONCRETE
- DETECTABLE WARNING FIELD
- LANDING AREA
- (G) 6:1 GRADED FLARE
- (C) 10:1 CONCRETE FLARE
- PED — CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY — POINT NUMBER & ELEVATION

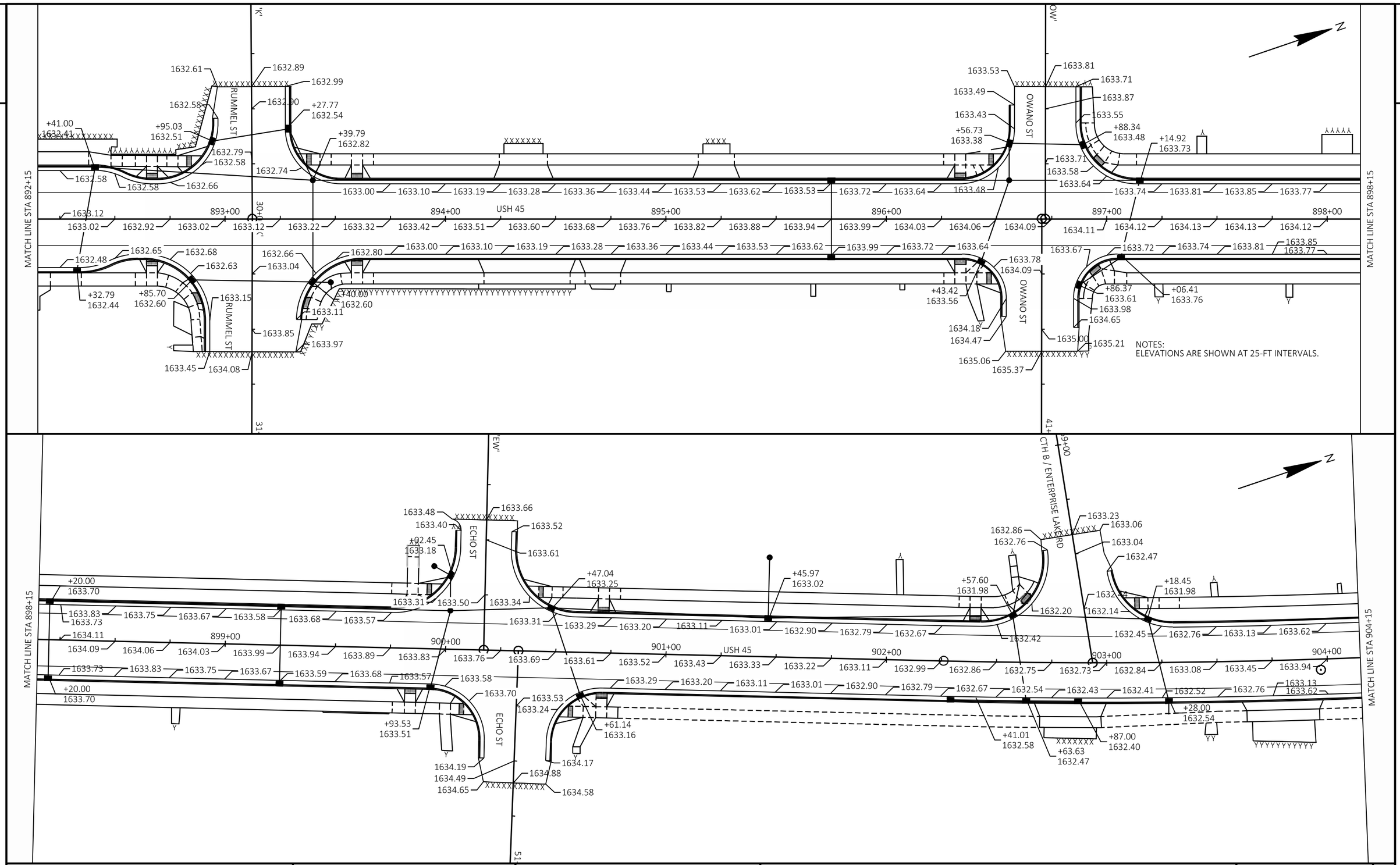
PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CURB RAMP DETAILS	SHEET 33	E



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	PAVING DETAILS	SHEET 34	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021401

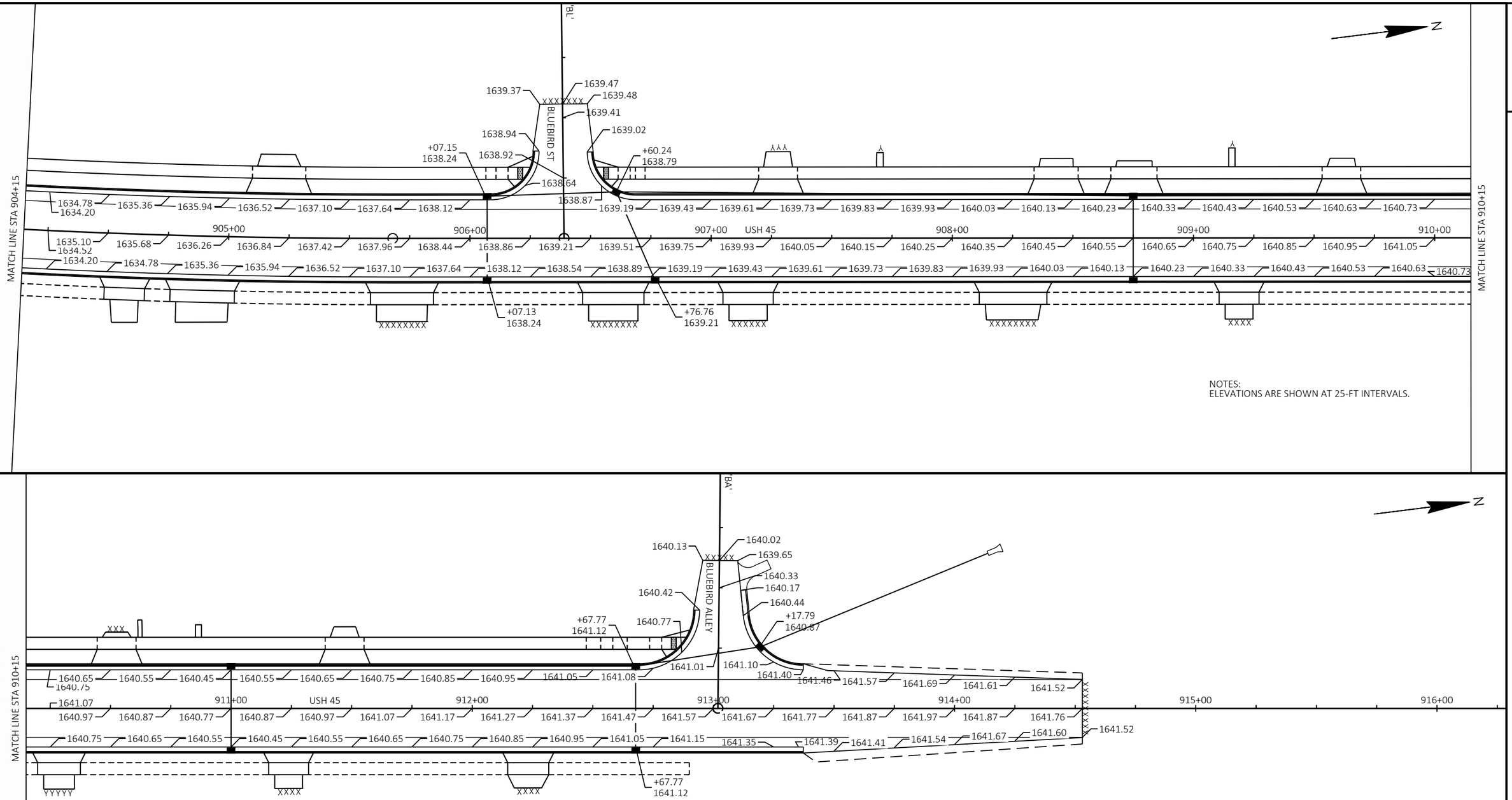
PLOT DATE : 4/27/2024 10:37 AM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	PAVING DETAILS	SHEET 35	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021402

PLOT DATE : 4/27/2024 10:37 AM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	PAVING DETAILS	SHEET 36	E

2

2

CLINIC ST

R/W

879+00 880+00 881+00 882+00 883+00 884+00 885+00 886+00

USH 45 / STH 47 / ANTIGO ST

MATCH LINE STA 886+50

BEGIN PROJECT
STA 880+65

TLE

RAMP

GUY POLE

SIGN

WV

HO

LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- RIPRAP MEDIUM
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

COLE ST

RUMMEL ST

MATCH LINE STA 886+50

887+00 888+00 889+00 890+00 891+00 892+00 893+00 894

USH 45 / STH 47 / ANTIGO ST

CTH K / RUMMEL ST

MATCH LINE STA 894+00

FLAG

CANOPY

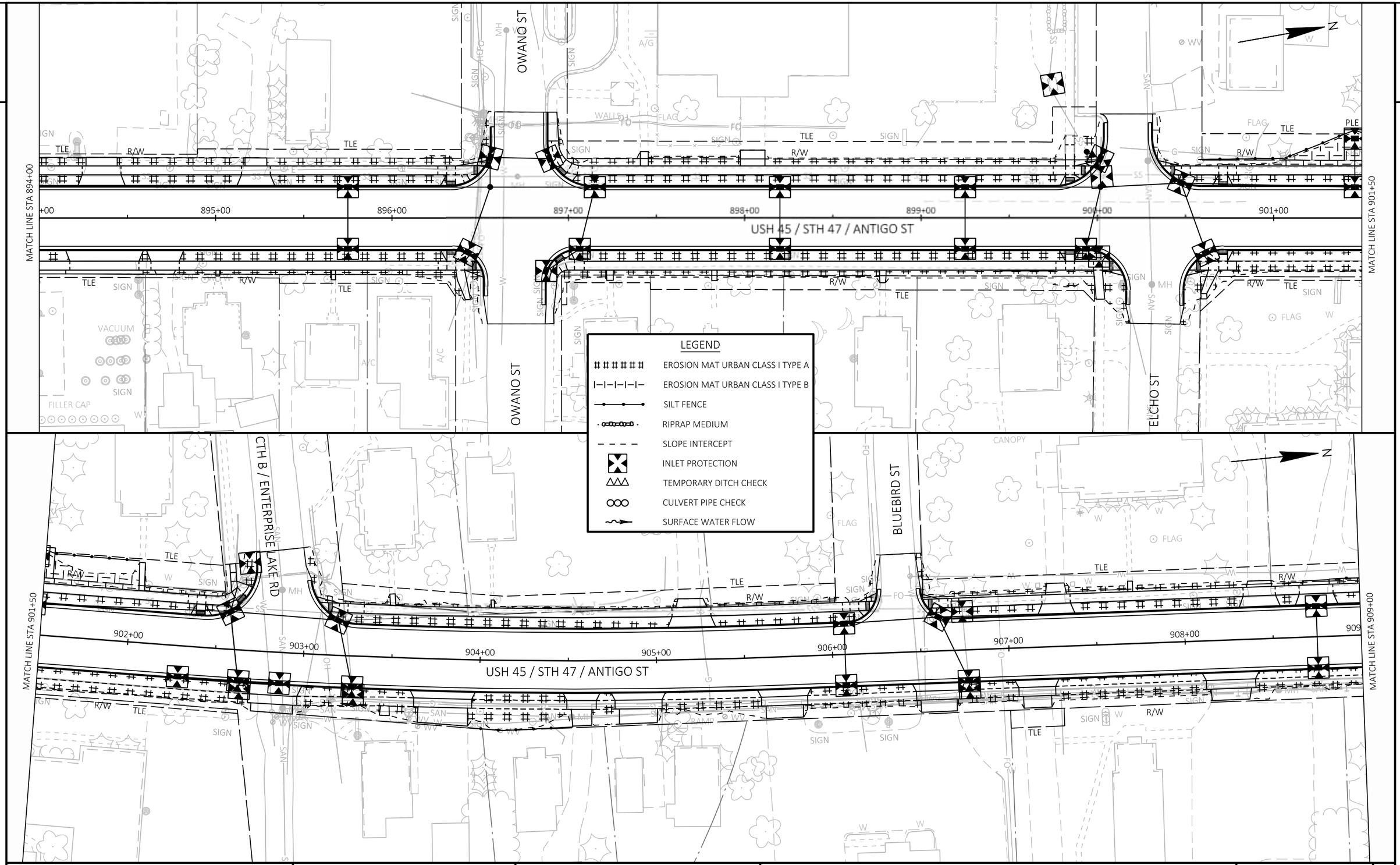
GAS PUMP

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	EROSION CONTROL	SHEET 37	E

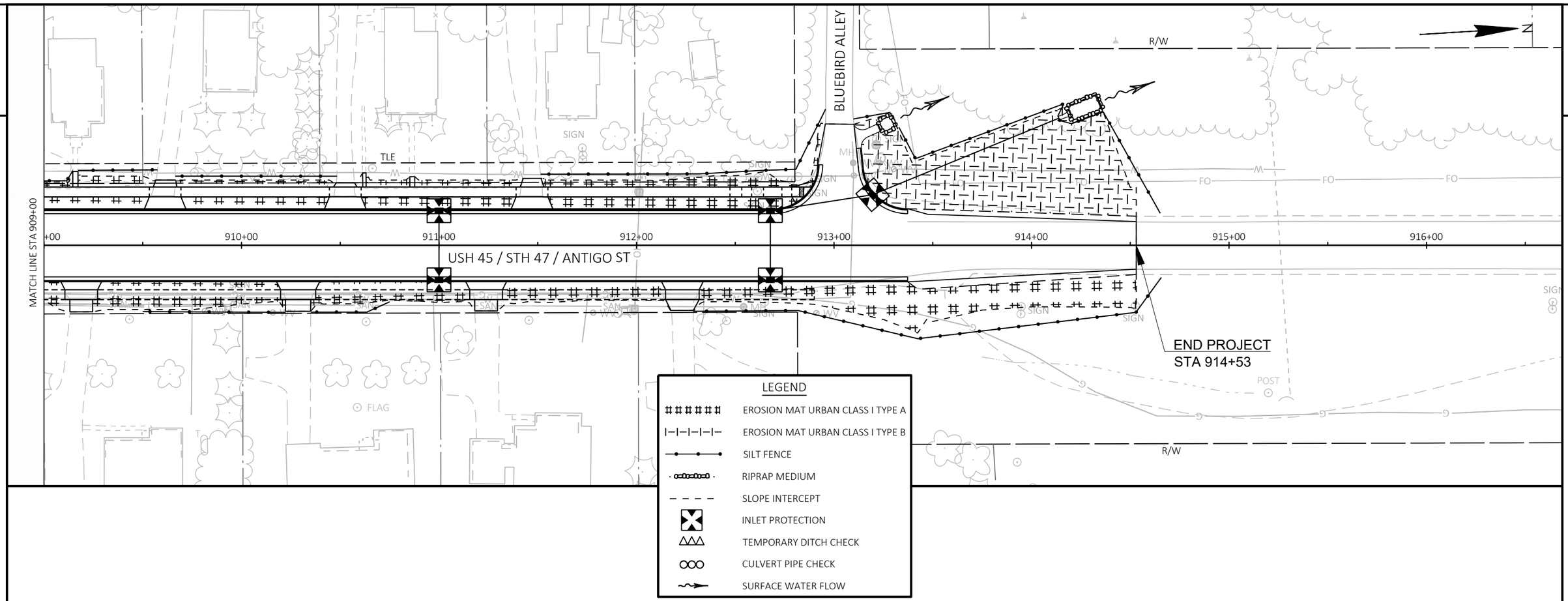
FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022001-ec

PLOT DATE : 4/27/2024 10:39 AM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	EROSION CONTROL	SHEET 38	E



THIS FRAME INTENTIONALLY LEFT BLANK

EDWARD & JODI SPACE
N11070 HWY 45

ASHLEY BAUKNECHT
W10607 CLINIC STREET

LANGLADE MEMORIAL HOSPITAL
W10618 CLINIC STREET

RICHARD & LEA DVORAK
N11176 HWY 45

CLINIC ST

STA 881+81, 44.9' LT
APRON ENDWALLS FOR CPRC 36-INCH (1.4)

STA 881+45, 31.0' LT
APRON ENDWALLS FOR CPRC 18-INCH (1.1)

STA 882+21, 45.6' LT
APRON ENDWALLS FOR CPRC 36-INCH (1.5)

STA 886+08, 17.5' LT
CATCH BASINS 5-H (1.7)

STA 885+84, 34.0' LT
APRON ENDWALLS FOR CPRC 36-INCH (1.6)

SEE RIP RAP AND GEOTEXTILE DETAIL

SLOPE INTERCEPT

879+00 880+00 881+00 882+00 883+00 884+00 885+00 886+00

EP: 10+00.00 'C'

USH 45 / STH 47 / ANTIGO ST

MATCH LINE STA 886+50

BP: 878+85.77

BEGIN CONSTRUCTION
STA 879+85

TLE

STA 881+45, 17.5' RT
CATCH BASINS 2x3-H (1.2)

STA 882+38, 17.5' RT
CATCH BASINS 2x3-H-S (1.3)

STA 886+09, 17.5' RT
CATCH BASINS 2x3-H (1.8)

REMOVE EXISTING GRAVEL & RESTORE WITH TOPSOIL, SEED, FERTILIZER, AND MULCH

RAMP

R/W

BEGIN PROJECT
STA 880+65

KRIST OIL CO INC

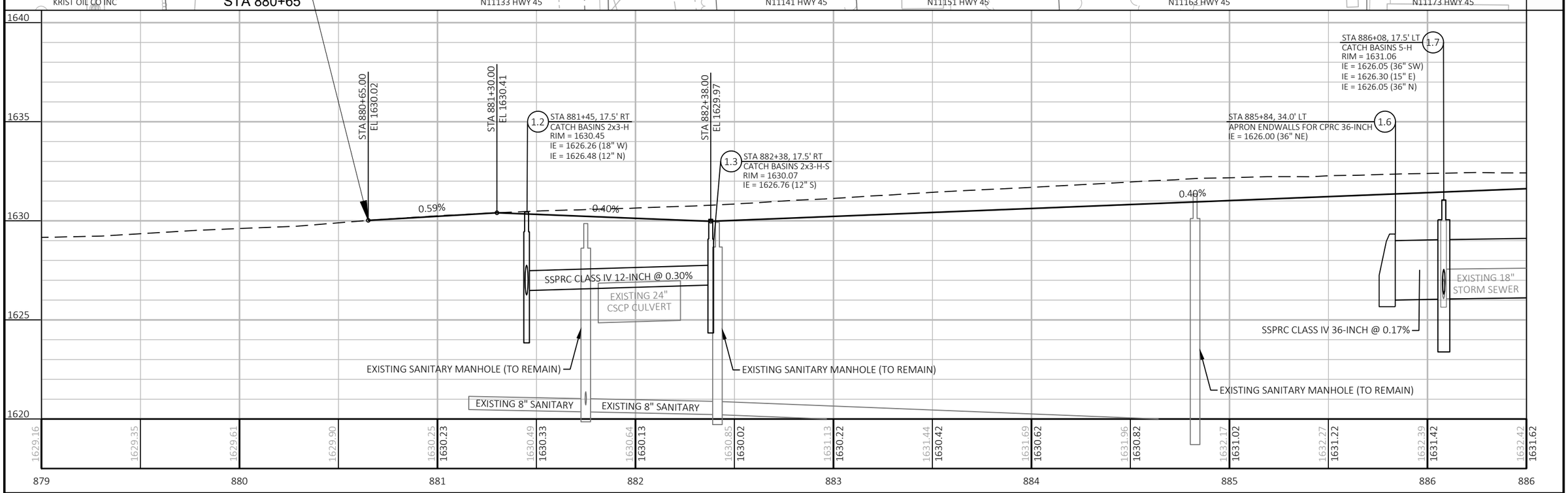
ALTMAN & BUSSELL LLC
N11133 HWY 45

SCOTT & JULIANNE ECKERT
N11141 HWY 45

THEODORE & BONNIE STEINERT
N11151 HWY 45

BONNIE RETZA
N11163 HWY 45

BUILDER'S SERVICE INC
N11173 HWY 45



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	STORM SEWER DETAILS	SHEET 40	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022501-ss

PLOT DATE : 7/22/2024 3:15 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

RICHARD & LEA DVORAK
N11176 HWY 45

ELCHO AUTO REPAIR LLC
N11180 HWY 45

STEPHEN MC CABE
N11192 ANTIGO ST

GERALD SHUEY

COZY COTTAGE CAFE
N11204 ANTIGO ST

CONSTANCE KAPLENSKI
N11214 ANTIGO ST

DEBORAH & KIRK FRANSKE
N11222 ANTIGO ST
N11224 ANTIGO ST

BUILDER'S SERVICE INC
N11173 HWY 45

BUILDER'S SERVICE INC
N11191 ANTIGO ST

JAMES & LAUREL MULTHAUF
N11197 ANTIGO ST

DAVID BUSCH
N11199 ANTIGO ST

TIMOTHY FULTZ
N11203 ANTIGO ST

JOHN JACOBS
W10613 CTH K

DAVID MILLER
W10599 CTH K

ELCHO SHELL LLC
N11211 ANTIGO ST

MATCH LINE STA 886+50

MATCH LINE STA 894+00

COLE ST
19+00 'COW'

COLE ST
21+00 'COE'

RUMMEL ST
29+00 'K'

CTH K / RUMMEL ST
31+00 'K'

USH 45 / STH 47 / ANTIGO ST

887+00 888+00 889+00 890+00 891+00 892+00 893+00 894

EP: 20+00.00 'COW'

BP: 20+00.00 'COE'

PI: 30+00.00 'K'

PC: 888+07.10

PT: 890+10.66

STA 888+74, 23.3' LT
CATCH BASINS 5-H
2.3

STA 889+14, 23.8' LT
CATCH BASINS 7-H
2.4

STA 890+88, 23.5' LT
CATCH BASINS 5-H-S
2.5A

STA 892+94, 35.3' LT
CATCH BASINS 2x3-H
2.12

STA 893+29, 40.9' LT
CATCH BASINS 4-H
2.11

STA 893+40, 17.5' LT
MANHOLES 6-J
2.10

STA 888+25, 17.5' LT
CATCH BASINS 5-DW
2.1

STA 889+60, 23.5' LT
CATCH BASINS 5-DW
2.5

STA 892+41, 23.5' LT
CATCH BASINS 6-H
2.9

STA 887+53, 35.0' RT
INLETS 2x2-V
2.2A

STA 888+25, 17.5' RT
CATCH BASINS 2x3-H-S
2.2

STA 889+40, 17.5' RT
CATCH BASINS 4-H
2.6

STA 890+09, 23.5' RT
CATCH BASINS 2x3-H
2.7

STA 890+75, 23.5' RT
CATCH BASINS 2x3-H-S
2.7A

STA 892+33, 23.5' RT
CATCH BASINS 2x3-H
2.8

STA 892+85, 27.6' RT
CATCH BASINS 2x3-H
2.15

STA 893+48, 28.8' RT
MANHOLES 4-J
2.14

STA 893+40, 28.5' RT
CATCH BASINS 5-H
2.13

REMOVE EXISTING GRAVEL & RESTORE WITH TOPSOIL, SEED, FERTILIZER, AND MULCH

MONITORING WELL (TO REMAIN)

INSULATION BOARD POLYSTYRENE 2-INCH

SLOPE INTERCEPT

CONCRETE COLLAR

R/W

TLE

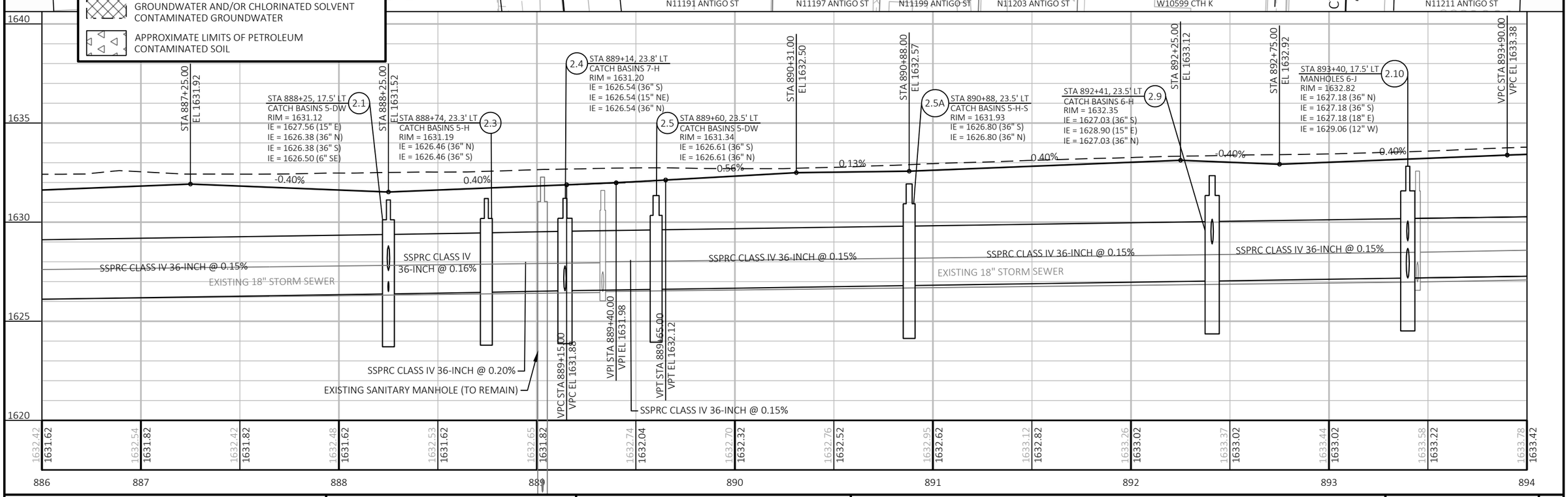
SIGN

RAMP FLAG

CONTAMINATION LEGEND:

APPROXIMATE LIMITS OF PETROLEUM CONTAMINATED GROUNDWATER AND/OR CHLORINATED SOLVENT CONTAMINATED GROUNDWATER

APPROXIMATE LIMITS OF PETROLEUM CONTAMINATED SOIL



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	STORM SEWER DETAILS	SHEET 41	E

2

DEBORAH & KIRK FRANSKE
N11226 ANTIGO ST
N11228 ANTIGO ST

DEBORAH & KIRK FRANSKE
N11222 ANTIGO ST

ELCHO SCHOOL DISTRICT
N11268 ANTIGO ST

FELICIANO & FELICIANO LLC
N11290 ANTIGO ST

FELICIANO & FELICIANO LLC
N11298 ANTIGO ST

MATCH LINE STA 894+00

MATCH LINE STA 901+50

OWANO ST

39+00 'OW'

41+00 'OE'

49+00 'EW'

51+00 'EE'

ELCHO ST

INSULATION BOARD POLYSTYRENE 2-INCH

SLOPE INTERCEPT

SLOPE INTERCEPT

USH 45 / STH 47 / ANTIGO ST

BP: 40+00.00 'OE'

EP: 40+00.00 'OW'

BP: 50+00.00 'EE'

EP: 50+00.00 'EW'

3.1 STA 895+75, 17.5' LT
CATCH BASINS 5-H

3.2 STA 895+75, 17.5' RT
CATCH BASINS 2x3-H

3.3 STA 896+56, 17.5' LT
MANHOLES 6-J

3.4 STA 896+43, 19.6' RT
CATCH BASINS 2x3-H

3.5 STA 896+56, 34.3' LT
CATCH BASINS 4-H

3.6 STA 896+89, 33.6' LT
CATCH BASINS 2x3-H

3.7 STA 897+15, 17.5' LT
CATCH BASINS 6-H

3.8 STA 897+06, 17.5' RT
CATCH BASINS 4-H

3.9 STA 896+87, 30.0' RT
CATCH BASINS 2x3-H

3.10 STA 898+20, 17.5' LT
CATCH BASINS 5-H

3.11 STA 898+20, 17.5' RT
CATCH BASINS 2x3-H

3.12 STA 899+25, 17.5' LT
CATCH BASINS 5-H

3.13 STA 899+25, 17.5' RT
CATCH BASINS 2x3-H

3.14 STA 900+02, 17.5' LT
MANHOLES 5-J

3.15 STA 899+94, 17.5' RT
CATCH BASINS 2x3-H

3.16 STA 900+01, 33.6' LT
CATCH BASINS 2x3-H

3.17 STA 899+94, 37.5' LT
MANHOLES 3-J

3.18 STA 900+48, 19.8' LT
CATCH BASINS 5-H

3.19 STA 900+62, 19.8' RT
CATCH BASINS 2x3-H

3.20 STA 901+46, 17.5' LT
CATCH BASINS 4-H

3.21 STA 901+46, 45.0' LT
INLETS MEDIAN 1G-MS (NO SLOPE)

TLE
R/W
SIGN
SS
W
G
FO
MH
WV
NYS
VACUUM
A/C

ELCHO SHELL LLC
N11211 ANTIGO ST

STEVEN & PAMELA JOGENSEN
N11233 ANTIGO ST

AUSTIN & MEGAN MISCHLER
N11239 ANTIGO ST

FELICIANO & FELICIANO LLC
N11211 ANTIGO ST

CONNIE BRAYTON
N11263 ANTIGO ST

AMY VICKERS
N11267 ANTIGO ST

KAPSKI INVESTMENTS LLC
N11273 ANTIGO ST

JAMES PRECOURT ETAL
N11292 DORR ST

ELCHO UNITED CHURCH
N11291 DORR ST

CONTAMINATION LEGEND:

APPROXIMATE LIMITS OF PETROLEUM CONTAMINATED GROUNDWATER AND/OR CHLORINATED SOLVENT CONTAMINATED GROUNDWATER

APPROXIMATE LIMITS OF PETROLEUM CONTAMINATED SOIL

1640
1635
1630
1625
1620

3.1 STA 895+75, 17.5' LT
CATCH BASINS 5-H
RIM = 1633.46
IE = 1627.53 (36" S)
IE = 1627.53 (36" N)
IE = 1627.80 (12" E)

3.3 STA 896+56, 17.5' LT
MANHOLES 6-J
RIM = 1633.63
IE = 1628.00 (12" W)
IE = 1627.64 (36" N)
IE = 1629.39 (15" SE)
IE = 1627.64 (36" S)

3.7 STA 897+15, 17.5' LT
CATCH BASINS 6-H
RIM = 1633.65
IE = 1627.70 (36" S)
IE = 1629.45 (15" SE)
IE = 1627.70 (30" N)

3.10 STA 898+20, 17.5' LT
CATCH BASINS 5-H
RIM = 1633.63
IE = 1629.30 (12" E)
IE = 1627.81 (30" N)
IE = 1627.81 (30" S)

VPI STA 898+15.00
VPI EL 1635.08

3.12 STA 899+25, 17.5' LT
CATCH BASINS 5-H
RIM = 1633.51
IE = 1629.42 (12" E)
IE = 1627.92 (27" N)
IE = 1627.92 (30" S)

3.14 STA 900+02, 17.5' LT
MANHOLES 5-J
RIM = 1633.44
IE = 1629.25 (12" W)
IE = 1628.00 (27" N)
IE = 1628.00 (27" S)
IE = 1628.00 (15" SE)

3.18 STA 900+48, 19.8' LT
CATCH BASINS 5-H
RIM = 1633.19
IE = 1628.07 (27" S)
IE = 1628.07 (24" N)
IE = 1628.07 (15" E)

3.20 STA 901+46, 17.5' LT
CATCH BASINS 4-H
RIM = 1632.95
IE = 1629.19 (12" W)
IE = 1628.19 (24" N)
IE = 1628.19 (24" S)

SSPRC CLASS IV 36-INCH @ 0.15%
EXISTING 18" STORM SEWER

SSPRC CLASS IV 36-INCH @ 0.14%

SSPRC CLASS IV 36-INCH @ 0.10%

SSPRC CLASS IV 30-INCH @ 0.10%

HP STA 897+63.63
HP EL 1634.13

SSPRC CLASS IV 30-INCH @ 0.10%
EXISTING 18" STORM SEWER

SSPRC CLASS IV 27-INCH @ 0.10%

SSPRC CLASS IV 27-INCH @ 0.15%

SSPRC CLASS IV 24-INCH @ 0.12%
EXISTING 18" STORM SEWER

EXISTING SANITARY MANHOLE (TO REMAIN)

1633.78 1633.42 1633.97 1633.60 1634.18 1633.76 1634.41 1633.88 1634.62 1633.99 1634.78 1634.06 1634.86 1634.11 1634.82 1634.13 1634.76 1634.12 1634.67 1634.09 1634.68 1634.03 1634.66 1633.94 1634.51 1633.83 1634.26 1633.69 1633.96 1633.52 1633.66 1633.33

894 895 896 897 898 899 900 901

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	STORM SEWER DETAILS	SHEET 42	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022503-ss

PLOT DATE : 7/22/2024 3:15 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

FELICIANO & FELICIANO LLC
N11298 ANTIGO ST

ENTERPRISE LAKE RD

59+00 'B'

ALAN ZOERN
N11302 ANTIGO ST

FELICIANO & FELICIANO LLC
N11306 ANTIGO ST

FELICIANO & FELICIANO LLC
N11316 ANTIGO ST

TRACY HAMPTON
W10667 BLUEBIRD LN

BLUEBIRD LN

69+00 'BL'

JAMES & MARY JANE BERENZ
N11340 ANTIGO ST

CHADWICK RAITH
N11348 ANTIGO ST

N

MATCH LINE STA 901+50

MATCH LINE STA 909+00

CONCRETE COLLAR

INSULATION BOARD POLYSTYRENE 2-INCH

INSULATION BOARD POLYSTYRENE 2-INCH

EXISTING WATERMAIN
DEPTH UNKNOWN (FIELD VERIFY)

4.1 STA 902+57, 21.4' LT
CATCH BASINS 5-H

4.5 STA 903+19, 19.8' LT
CATCH BASINS 4-H

STA 906+07, 17.5' LT
CATCH BASINS 4-H 4.7

4.9 STA 906+61, 19.3' LT
CATCH BASINS 4-H

STA 908+75, 17.5' LT
CATCH BASINS 4-DW 4.11

TLE

R/W

SLOPE INTERCEPT

PT: 905+67.97

902+00

903+00

PC: 902+26.00

EP: 60+00.00 'B'

904+00

905+00

906+00

907+00

EP: 70+00.00 'BL'

908+00

909

USH 45 / STH 47 / ANTIGO ST

SLOPE INTERCEPT

4.3 STA 902+30, 17.5' RT
CATCH BASINS 2x3-H

4.2 STA 902+64, 17.5' RT
CATCH BASINS 4-H

4.4 STA 902+87, 17.5' RT
CATCH BASINS 2x3-DW

4.6 STA 903+28, 17.5' RT
CATCH BASINS 2x3-H

STA 906+07, 17.5' RT
CATCH BASINS 2x3-H 4.8

STA 906+77, 17.5' RT
CATCH BASINS 2x3-H 4.10

STA 908+75, 17.5' RT
CATCH BASINS 2x3-H 4.12

ELCHO UNITED CHURCH
N11291 DORR ST

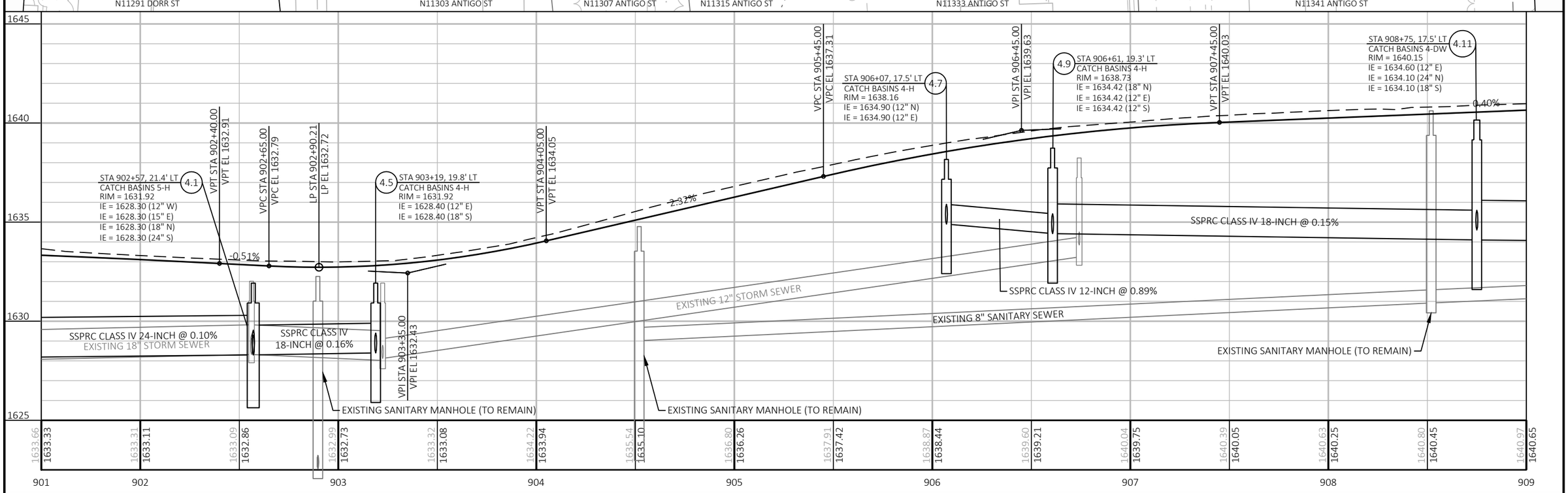
TBC RENTALS LLC
N11303 ANTIGO ST

KATELYN MOREAU
N11307 ANTIGO ST

MONTE MAYREND
N11315 ANTIGO ST

COVANTAGE CREDIT UNION
N11333 ANTIGO ST

ST LUKE'S LUTHERAN
N11341 ANTIGO ST



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	STORM SEWER DETAILS	SHEET 43	E

CHADWICK RAITH
N11348 ANTIGO ST

CHARLES NEITZEL
N11352 ANTIGO ST

RICHARD MINASSI
N11360 ANTIGO ST

BAKER BRANSON
N11366 ANTIGO ST

BAKER BRANSON

BLUEBIRD ALLEY

JAMES & MARY JANE BERENZ

GREGORY & KATHRYN SCHERGER

MATCH LINE STA 909+00

STA 911+00, 17.5' LT
CATCH BASINS 4-H-S
5.1

STA 912+68, 17.5' LT
CATCH BASINS 4-H
5.3

STA 913+20, 25.6' LT
CATCH BASINS 4-H
5.5

STA 914+14, 64.3' LT
APRON ENDWALLS FOR CPRC 24-INCH
5.6

SEE RIP RAP AND GEOTEXTILE DETAIL

SEE RIP RAP AND GEOTEXTILE DETAIL

SLOPE INTERCEPT

INSULATION BOARD POLYSTYRENE 2-INCH

TLE

R/W

910+00 911+00 912+00 913+00 914+00 915+00 916+00

USH 45 / STH 47 / ANTIGO ST

EP: 80+00.00 'BA'

STA 911+00, 17.5' RT
CATCH BASINS 2x3-H-S
5.2

STA 912+68, 17.5' RT
CATCH BASINS 2x3-H
5.4

SLOPE INTERCEPT

END PROJECT
STA 914+53

TYLER CRUM
N11351 ANTIGO ST

REBECCA GAU IRRET
N11359 ANTIGO ST

JERRY BRANDOW
N11365 ANTIGO ST

RICHARD & CASSANDRA KLIMA
N11371 ANTIGO ST

AARON & SARAH KOSZAREK

STA 910+15.00
EL 1641.11

STA 911+00.00
EL 1640.77

STA 914+00.00
EL 1641.97

STA 914+53.00
EL 1641.76

STA 911+00, 17.5' LT
CATCH BASINS 4-H-S
RIM = 1640.37
IE = 1634.88 (12" E)
IE = 1633.88 (24" N)
IE = 1633.88 (24" S)

STA 912+68, 17.5' LT
CATCH BASINS 4-H
RIM = 1641.04
IE = 1628.60 (24" N)
IE = 1634.71 (12" E)
IE = 1633.71 (24" S)

STA 913+20, 25.6' LT
CATCH BASINS 4-H
RIM = 1640.76
IE = 1628.54 (24" N)
IE = 1628.54 (24" S)

-0.40%

0.40%

-0.40%

6" WATERMAIN APPROXIMATE DEPTH (FIELD VERIFY)

6" WATERMAIN APPROXIMATE DEPTH (FIELD VERIFY)

STA 914+14, 64.3' LT
APRON ENDWALLS FOR CPRC 24-INCH
IE = 1628.39 (24" S)

SSPRC CLASS III 24-INCH @ 0.10%

SSPRC CLASS III 24-INCH @ 0.10%

EXISTING 8" SANITARY SEWER

EXISTING 6" WATER MAIN

EXISTING SANITARY MANHOLE (TO REMAIN)

SSPRC CLASS III
24-INCH @ 0.11%

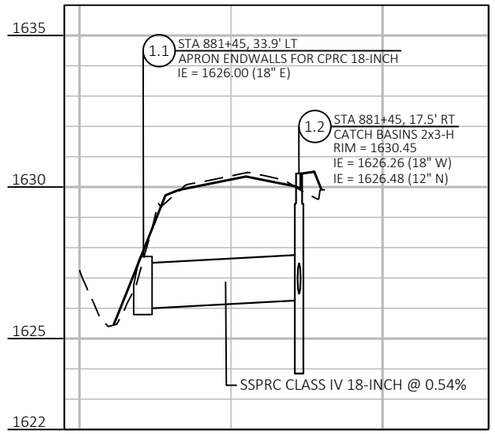
SSPRC CLASS III 24-INCH @ 0.15%

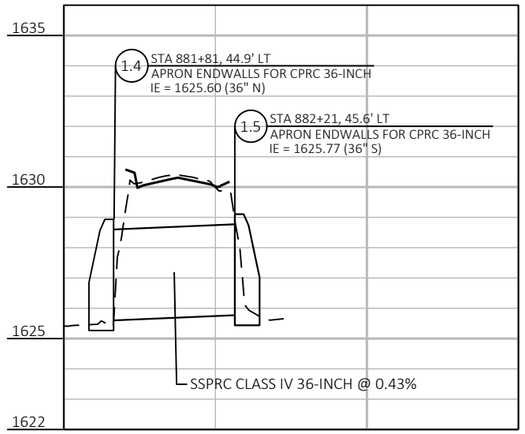
1645
1640
1635
1630
1628

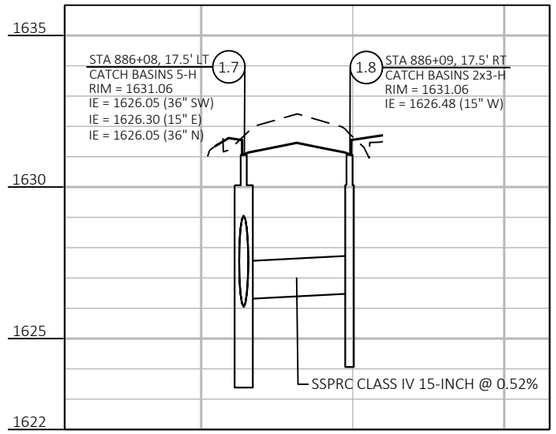
1640.97 1640.65 1641.12 1640.85 1641.27 1641.05 1641.47 1640.97 1641.56 1640.77 1641.56 1640.97 1641.61 1641.17 1641.70 1641.37 1641.77 1641.57 1641.89 1641.77 1641.82 1641.97 1641.76 1641.77 1641.70 1641.74 1641.83 1641.90

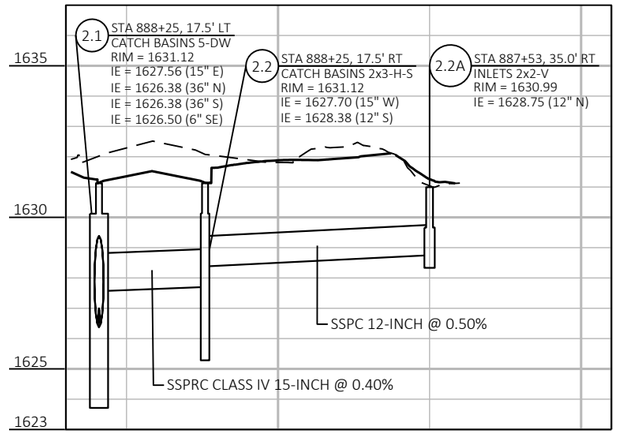
909 910 911 912 913 914 915 916 916

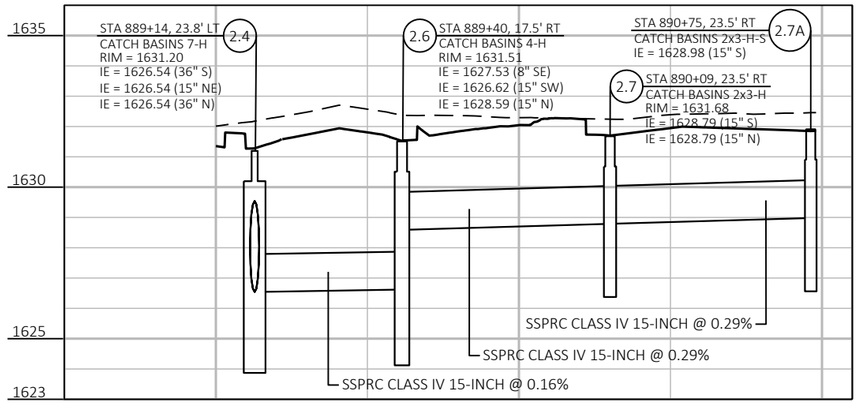
PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	STORM SEWER DETAILS	SHEET 44	E

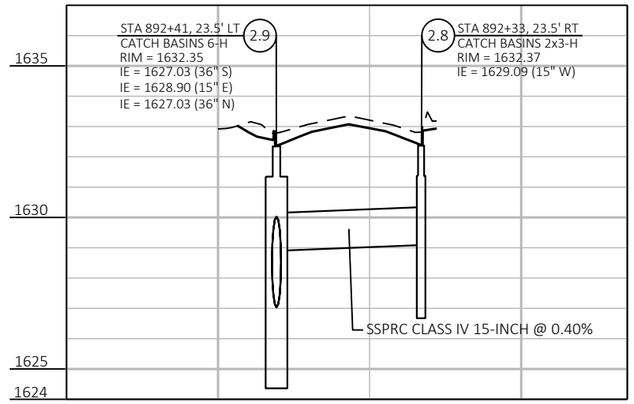


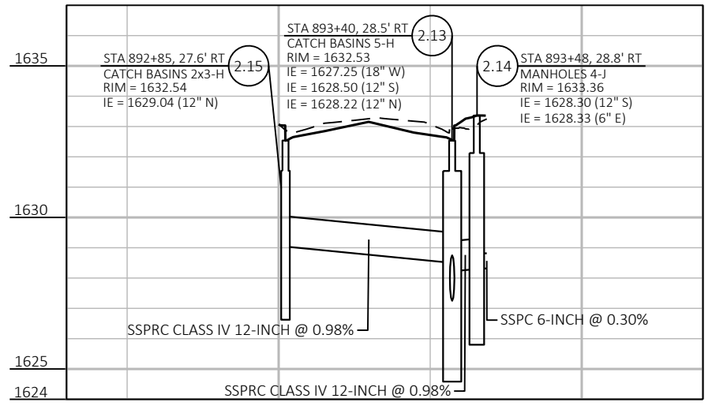


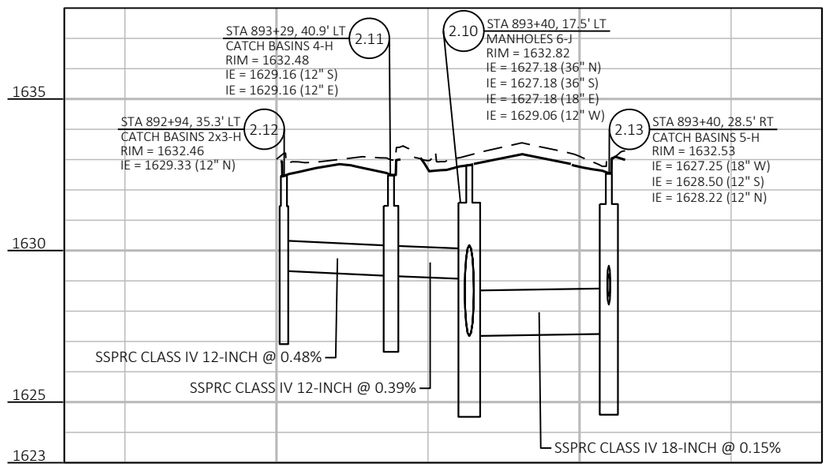


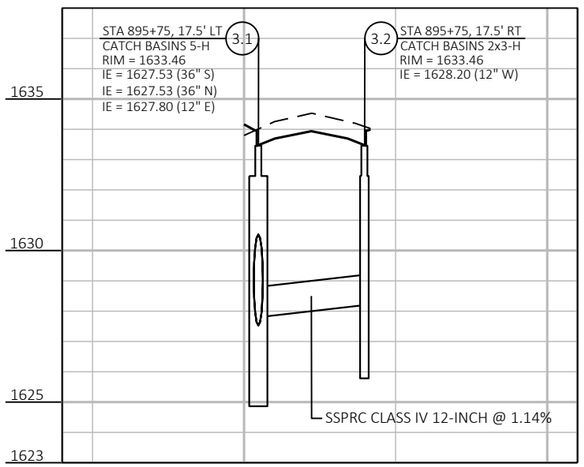


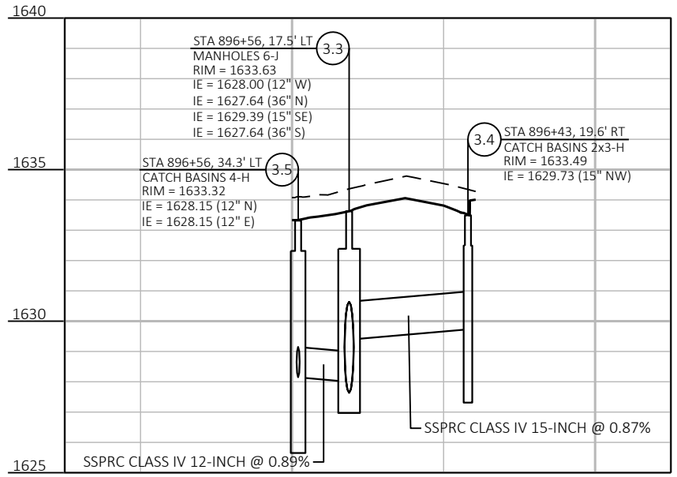




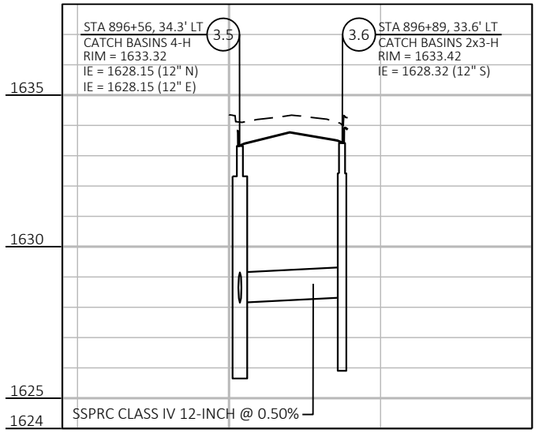


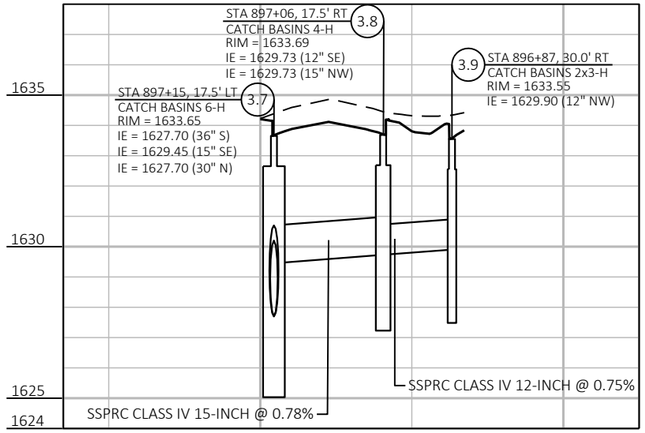


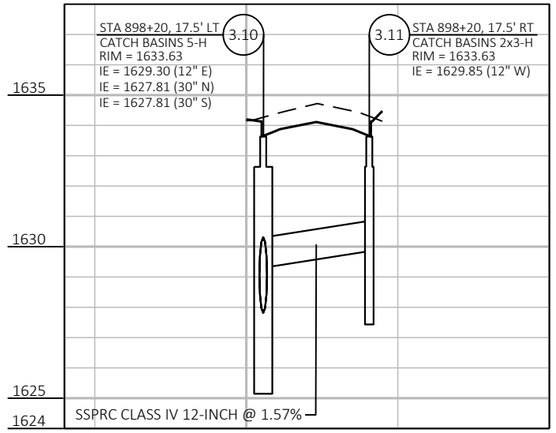


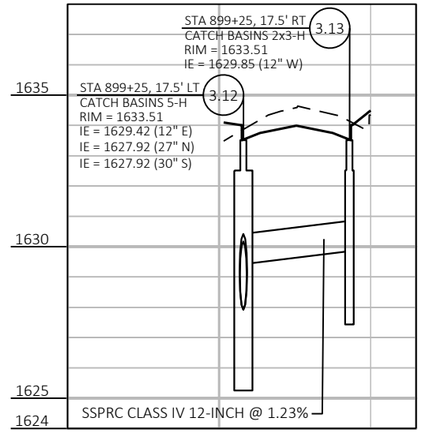


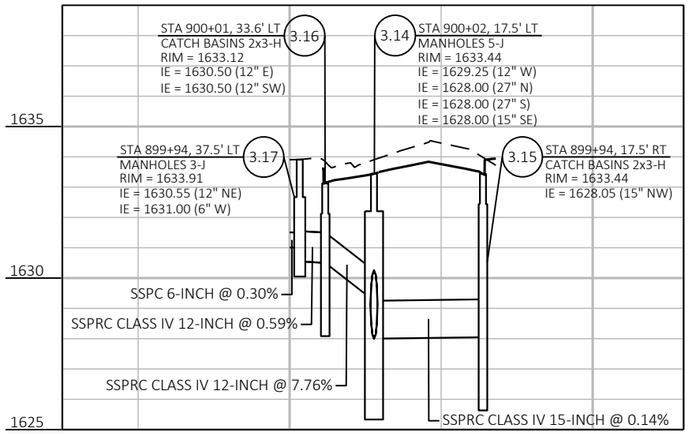
PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	STORM SEWER DETAILS	SHEET 45	E

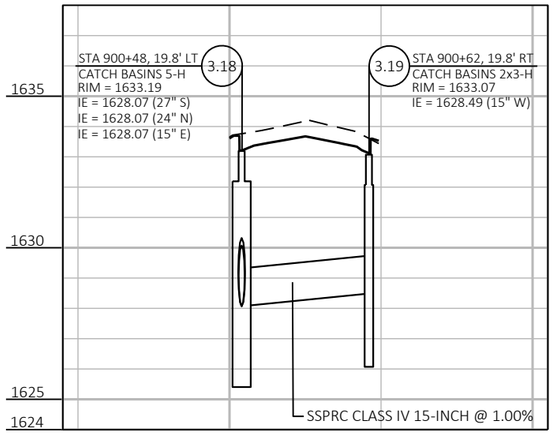


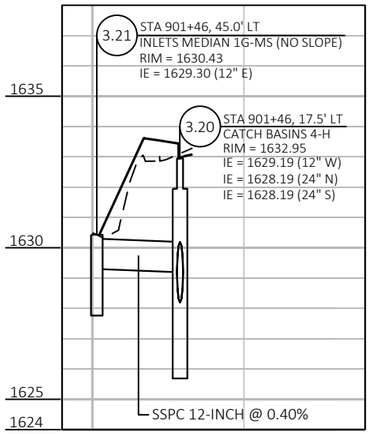


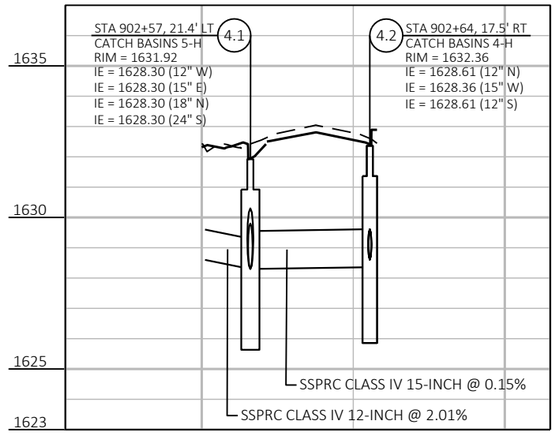


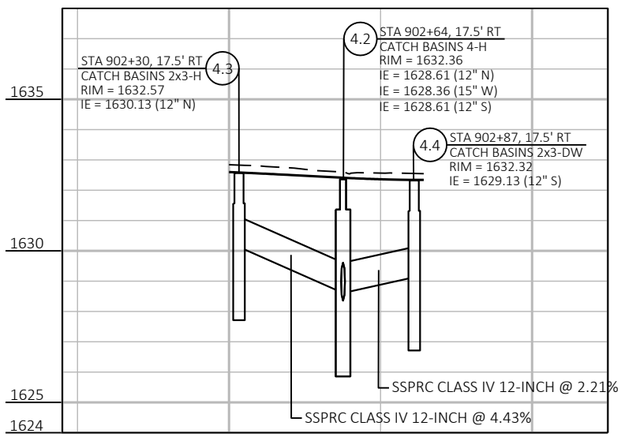


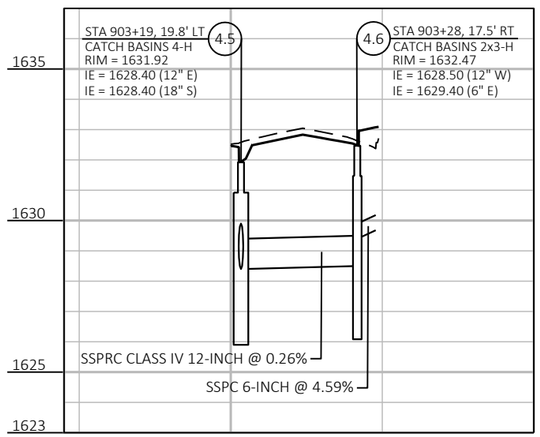


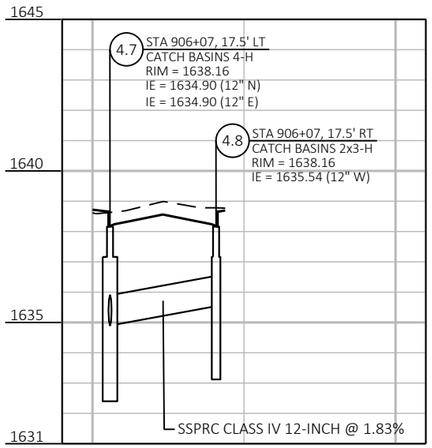


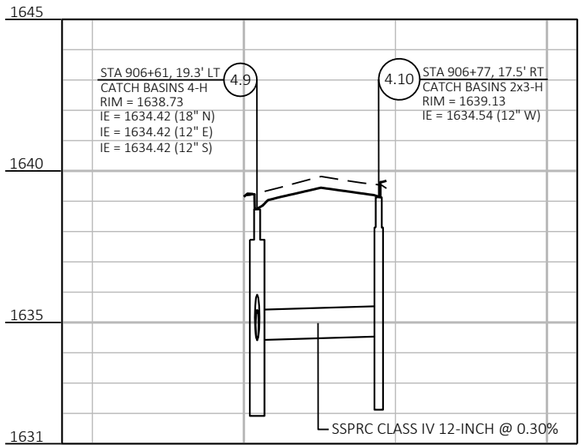




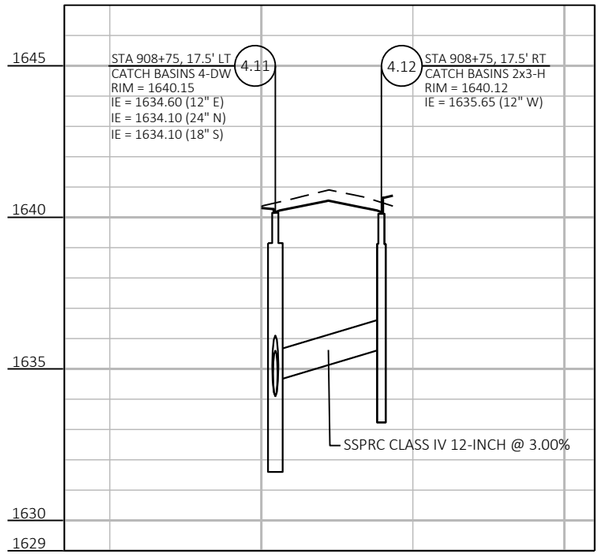


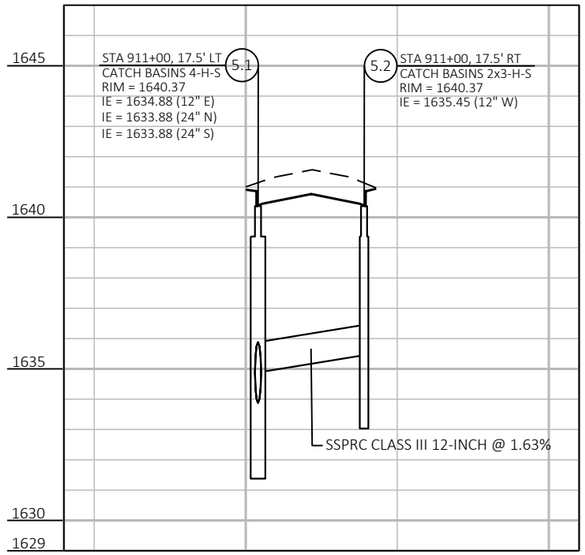


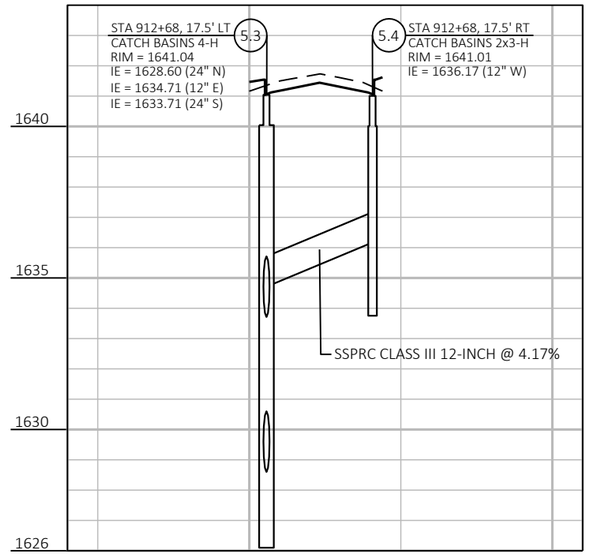




PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	STORM SEWER DETAILS	SHEET 46	E







2

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	STORM SEWER DETAILS	SHEET 47	E

2

2

WATER
(ELCHO SANITARY
DISTRICT NO 1)

ELECTRIC
(WISCONSIN PUBLIC SERVICE)

OWANO ST

COMMUNICATIONS
(FRONTIER)

ELECTRIC
(WISCONSIN PUBLIC SERVICE)

TLE

R/W

PB2

PB3

USH 45 / STH 47 / ANTIGO ST

896+00

897+00

898+00

EP: 40+00.00 'OW'
BP: 40+00.00 'OE'

CONCRETE CURB AND
GUTTER 30-INCH TYPE D

PB1

OWANO ST

LEGEND:

PULL BOX NON-CONDUCTIVE 24X36-INCH

CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH

NOTE:
CONDUIT AND PULL BOXES TO BE INSTALLED FOR FUTURE USE.

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CONDUIT PLAN	SHEET 48	E

2

2

49+00 'EW'

ELCHO ST

SANITARY SEWER
(ELCHO SANITARY DISTRICT NO 1)

GAS
(WISCONSIN PUBLIC SERVICE)

SIGN
TLE
R/W
PLE
FLAG
PB5
PB4
899+00
900+00
901+00
EP: 50+00.00 'EW' BP: 50+00.00 'EE'
USH 45 / STH 47 / ANTIGO ST
CONCRETE CURB AND
GUTTER 30-INCH TYPE D
ELECTRIC
(WISCONSIN PUBLIC SERVICE)
ELCHO ST

LEGEND:

⊕ PULL BOX NON-CONDUCTIVE 24X36-INCH

— — CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH

NOTE:
CONDUIT AND PULL BOXES TO BE INSTALLED FOR FUTURE USE.

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CONDUIT PLAN	SHEET 49	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024202-sp

PLOT DATE : 4/27/2024 12:08 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

LOCAL STREET SIGN
(MOVE BY MUNICIPALITY)

CLINIC ST

R/W

1-02
SOUTH 45 SOUTH 47
J4-2
48"X36"

1-03
STOP
R1-1
30"X30"

1-06
I55-56
30"X18"
ADOPT A HIGHWAY
ELCHO COMMUNITY PAVILION
UCC CHURCH
I55-56P
30"X18"

879+00 880+00 881+00 882+00 883+00 884+00 885+00 886+00

USH 45 / STH 47 / ANTIGO ST

MATCH LINE STA 886+50

BP: 878+85.77

LOCAL SIGN
(TO REMAIN)

1-01
1-04
1-05
NO PARKING ANY TIME

BEGIN PROJECT
STA 880+65

RAMP

LEGEND	
	EXISTING SIGN MOUNTED ON POST(S)
	PROPOSED SIGN MOUNTED ON POST(S)
X-XX	DENOTES SIGN NUMBER
R1-1	DENOTES SIGN CODE
36" X 36"	INDICATES SIGN SIZE
	SIGN AND POST(S) - REMOVE & REPLACE
	SIGN AND POST(S) - TO REMAIN
	SIGN AND POST(S) - TO BE REMOVED
	SIGN AND POST(S) - TO BE MOVED
	SIGN AND POST(S) - NEW

1-08
SPEED LIMIT 30
R2-1
24"X30"

1-11
STOP
R1-1
30"X30"
(SIGN POST BOX OUT REQUIRED)

COLE ST

1-18
NO PARKING ANY TIME

1-20
STOP
R1-1
30"X30"
(SIGN POST BOX OUT REQUIRED)

RUMMEL ST

1-21
NO PARKING ANY TIME

1-23
45 47
J12-2
48"X45"

1-24
NO PARKING ANY TIME

1-25
COUNTY K
J12-1
24"X45"

MATCH LINE STA 894+00

887+00 888+00 889+00 890+00 891+00 892+00 893+00 894

USH 45 / STH 47 / ANTIGO ST

LOCAL STREET SIGN
(MOVE BY MUNICIPALITY)

PC: 888+07.10

PT: 890+10.65

JCT COUNTY K
J1-1
24"X39"

1-13

1-14
TWO HOUR PARKING
NO PARKING ANY TIME

1-12
STOP
R1-1
30"X30"

1-15
POST LAKE

1-16
NO PARKING ANY TIME
TWO HOUR PARKING

1-17
AHEAD
S1-1
36"X36"
S16-9P
24"X12"

1-19
COUNTY K
J12-1
24"X45"

CTH K / RUMMEL ST

1-22
STOP
R1-1
30"X30"
(SIGN POST BOX OUT REQUIRED)

CANOPY

1-07
NO PARKING ANY TIME

1-09
SPEED LIMIT 30
R2-1
24"X30"

1-10
NO PARKING ANY TIME

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	PERMANENT SIGNING	SHEET 50 E

2

MATCH LINE STA 894+00

MATCH LINE STA 901+50

MATCH LINE STA 901+50

MATCH LINE STA 909+00

OWANO ST

OWANO ST

ELCHO ST

BLUEBIRD LN

CTH B / ENTERPRISE LAKE RD

USH 45 / STH 47 / ANTIGO ST

USH 45 / STH 47 / ANTIGO ST

2-01 NO PARKING ANY TIME

2-02 NO PARKING ANY TIME

2-03 NO PARKING ANY TIME 2 HR PARKING BETWEEN SIGNS

2-04 SCHOOL SPEED LIMIT 15 WHEN CHILDREN ARE PRESENT S4-51 24"X48"

2-05 POST LAKE

2-06 SPEED LIMIT 30 R2-1 24"X30"

2-07 NO PARKING ANY TIME 2 HR PARKING BETWEEN SIGNS

2-08 NO PARKING ANY TIME

2-09 JCT COUNTY K J1-1 24"X39"

2-10 S1-1 36"X36" S16-7L 24"X12"

2-11 S1-1 36"X36" S16-7L 24"X12"

2-12 ONE WAY R6-2R 24"X30"

2-13 TWO HOUR PARKING

2-14 TWO HOUR PARKING

2-15 STOP R1-1 30"X30"

2-16 ONE WAY R6-2L 24"X30"

2-17

2-18 NO PARKING ANY TIME

2-19 NO PARKING ANY TIME

2-20 NO PARKING ANY TIME

2-21 JCT COUNTY K J1-1 24"X39"

2-22 NO PARKING ANY TIME

2-23 NO PARKING ANY TIME

2-24 NO PARKING ANY TIME

2-25 S1-1 36"X36" S16-7L 24"X12"

2-26 S1-1 36"X36" S16-7L 24"X12"

2-27 STOP R1-1 30"X30"

2-28 STOP R1-1 30"X30"

2-29

2-30 NO PARKING ANY TIME

2-31 NO PARKING ANY TIME

2-32 SCHOOL SPEED LIMIT 15 WHEN CHILDREN ARE PRESENT S4-51 24"X48"

2-33 NO PARKING ANY TIME

2-34 Elcho Industrial Park

2-35 STOP R1-1 30"X30"

2-36 Enterprise Moccasin Lake

2-37 Enterprise Moccasin Lake

2-38 NO PARKING ANY TIME

2-39 NO PARKING ANY TIME

2-40 Elcho Industrial Park

2-41 NO PARKING ANY TIME

2-42 NO PARKING ANY TIME

2-43 STOP R1-1 30"X30"

2-44 S1-1 36"X36" AHEAD S16-9P 24"X12"

2-45 NO PARKING ANY TIME

2-46 NO PARKING ANY TIME

2-47 SPEED LIMIT 30 R2-1 24"X30"

2-48 SPEED LIMIT 30 R2-1 24"X30"

ATV ROUTE 10 MPH

LOCAL SIGNS (MOVE BY OTHERS)

LOCAL SIGNS (TO REMAIN)

SALVAGE FLASHING BEACON ASSEMBLY STA 894+95

SALVAGE FLASHING BEACON ASSEMBLY STA 901+87

LOCAL STREET SIGN (MOVE BY MUNICIPALITY)

LOCAL STREET SIGN (MOVE BY MUNICIPALITY)

LOCAL STREET SIGN (MOVE BY MUNICIPALITY)

LOCAL STREET SIGN (MOVE BY MUNICIPALITY)

LOCAL STREET SIGN (MOVE BY MUNICIPALITY)

LOCAL STREET SIGN (MOVED BY MUNICIPALITY)

PC: 902+26.00

PT: 905+67.97

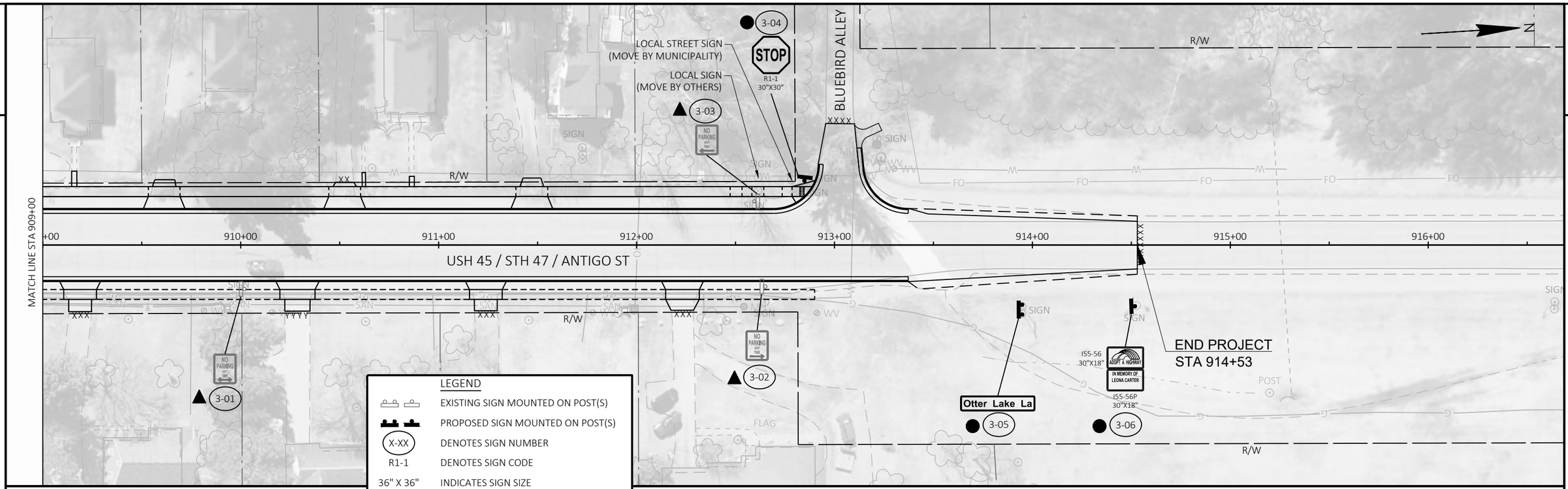
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- X-XX — DENOTES SIGN NUMBER
- R1-1 — DENOTES SIGN CODE
- 36" X 36" — INDICATES SIGN SIZE
- ● SIGN AND POST(S) - REMOVE & REPLACE
- ■ SIGN AND POST(S) - TO REMAIN
- ▲ SIGN AND POST(S) - TO BE REMOVED
- ◆ SIGN AND POST(S) - TO BE MOVED
- ★ SIGN AND POST(S) - NEW

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	PERMANENT SIGNING	SHEET 51	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023202-ps

PLOT DATE : 4/23/2024 10:42 AM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:50 FT



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	PERMANENT SIGNING	SHEET 52	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023203-ps
PLOT DATE : 7/22/2024 3:38 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

2

R/W

CLINIC ST

SIGN

GUY POLE

MWE6

MDY6

879+00

880+00

881+00

882+00

883+00

884+00

885+00

886+00

USH 45 / STH 47 / ANTIGO ST

MATCH LINE STA 886+50

BP: 878+85.77

BEGIN PROJECT
STA 880+65

RAMP

MWE6

MARKING LEGEND

MYE6	MARKING LINE EPOXY 6-INCH (YELLOW)
MDY6	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
MYS6	MARKING LINE EPOXY 6-INCH SKIPS (12.5' DASH 37.5' GAP)
MWE6	MARKING LINE EPOXY 6-INCH (WHITE)
MWES6	MARKING LINE EPOXY 6-INCH SKIPS (3' DASH 9' GAP)
MWCET6	MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH (WHITE)
MWCEB24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
MWE18	MARKING STOP LINE EPOXY 18-INCH (WHITE)
MYC	MARKING CURB EPOXY

COLE ST

RUMMEL ST

MATCH LINE STA 886+50

MATCH LINE STA 894+00

FLAG

MWE6

MDY6

MWCET6

887+00

888+00

889+00

890+00

891+00

892+00

893+00

894

USH 45 / STH 47 / ANTIGO ST

PC: 888+07.10

PT: 890+10.68

MWE18

CANOPY

CTH K / RUMMEL ST

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	PAVEMENT MARKING	SHEET 53	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024501-pm

PLOT DATE : 4/27/2024 12:23 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 894+00

MATCH LINE STA 901+50

MATCH LINE STA 901+50

MATCH LINE STA 909+00

OWANO ST

OWANO ST

ELCHO ST

CTH B / ENTERPRISE LAKE RD

BLUEBIRD LN

USH 45 / STH 47 / ANTIGO ST

USH 45 / STH 47 / ANTIGO ST

MWE6 MDY6 MWCET6 MWCEB24

895+00 896+00 897+00 898+00 899+00 900+00 901+00

902+00 903+00 904+00 905+00 906+00 907+00 908+00

PC: 902+26.00

PT: 905+67.97

R/W

N

MARKING LEGEND

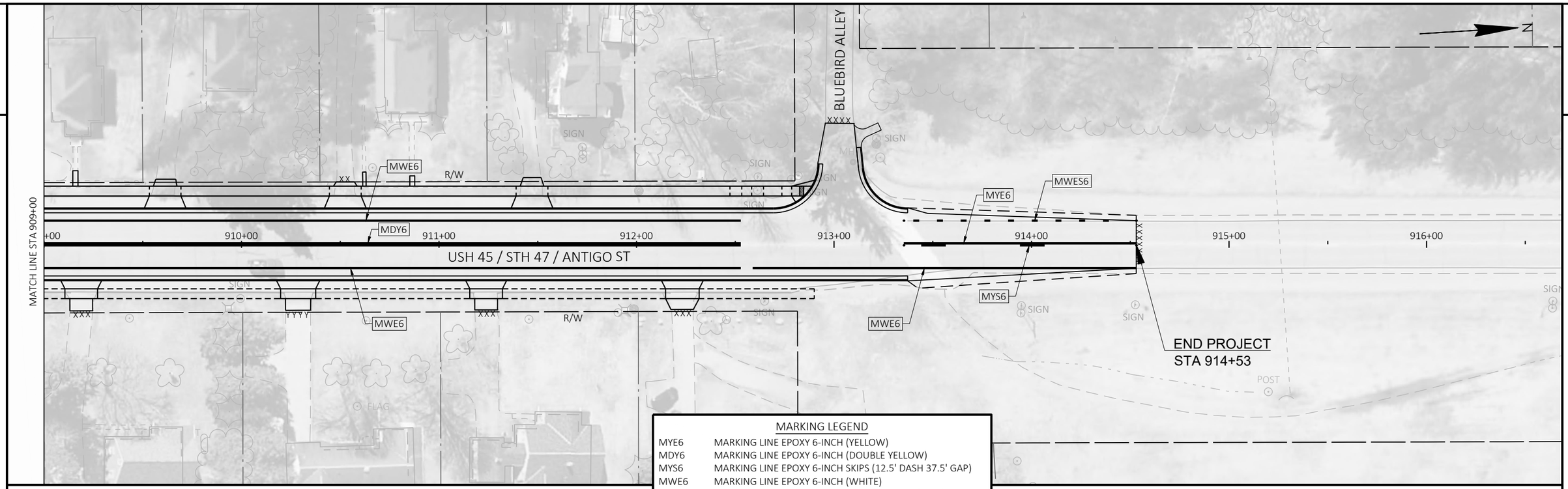
MYE6	MARKING LINE EPOXY 6-INCH (YELLOW)
MDY6	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
MYS6	MARKING LINE EPOXY 6-INCH SKIPS (12.5' DASH 37.5' GAP)
MWE6	MARKING LINE EPOXY 6-INCH (WHITE)
MWES6	MARKING LINE EPOXY 6-INCH SKIPS (3' DASH 9' GAP)
MWCET6	MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH (WHITE)
MWCEB24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
MWE18	MARKING STOP LINE EPOXY 18-INCH (WHITE)
MYC	MARKING CURB EPOXY

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	PAVEMENT MARKING	SHEET 54 E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024502-pm

PLOT DATE : 4/27/2024 12:23 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44



MARKING LEGEND

MYE6	MARKING LINE EPOXY 6-INCH (YELLOW)
MDY6	MARKING LINE EPOXY 6-INCH (DOUBLE YELLOW)
MYS6	MARKING LINE EPOXY 6-INCH SKIPS (12.5' DASH 37.5' GAP)
MWE6	MARKING LINE EPOXY 6-INCH (WHITE)
MWES6	MARKING LINE EPOXY 6-INCH SKIPS (3' DASH 9' GAP)
MWCET6	MARKING CROSSWALK EPOXY TRAVERSE LINE 6-INCH (WHITE)
MWCEB24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
MWE18	MARKING STOP LINE EPOXY 18-INCH (WHITE)
MYC	MARKING CURB EPOXY

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2

2

N

ARCOLA ST

MINOLA ST

RUMMEL ST

COLE ST

OWANO ST

ELCHO ST

ENTERPRISE LAKE RD

BLUEBIRD ALLEY

BLUEBIRD LN

PEDESTRIAN TRAFFIC CONTROL - STAGE 1 DETAILS

PEDESTRIAN TRAFFIC CONTROL - STAGE 1 DETAILS

USH 45 / STH 47 / ANTIGO ST

886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913

USH 45 / STH 47 / ANTIGO ST

CTH K

COLE ST

OWANO ST

ELCHO ST

EDGE OF NB TEMPORARY WIDENING

EDGE OF NB TEMPORARY WIDENING

R9-9A 30"X18"

SIDEWALK CLOSED AHEAD

DETOUR

M4-9BR 30"X24"

R9-9A 30"X18"

SIDEWALK CLOSED AHEAD

DETOUR

M4-9BL 30"X24"

DORR ST

LEGEND

- DIRECTION OF TRAFFIC
- EXISTING PEDESTRIAN ROUTE
- FINISHED PEDESTRIAN ROUTE
- SIGN ON PERMANENT SUPPORT
- WORK AREA FOR SIDEWALK AND CURB RAMPS
- TEMPORARY PAVEMENT

NOTES:

1. PROVIDE PEDESTRIAN ACCOMMODATION SIGNS PER THIS DETAIL DURING SIDEWALK REMOVAL.
2. DURING STAGE 2 INCLUDE SHUTTLE SERVICE TO TRANSPORT PEDESTRIANS WHEN/WHERE PEDESTRIAN ACCOMMODATIONS ARE NOT AVAILABLE.
3. ADDITIONAL TRAFFIC CONTROL INFORMATION ON OTHER SHEETS.

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	TRAFFIC CONTROL PEDESTRIAN ACCOMMODATIONS-STAGE 1	SHEET 56	E

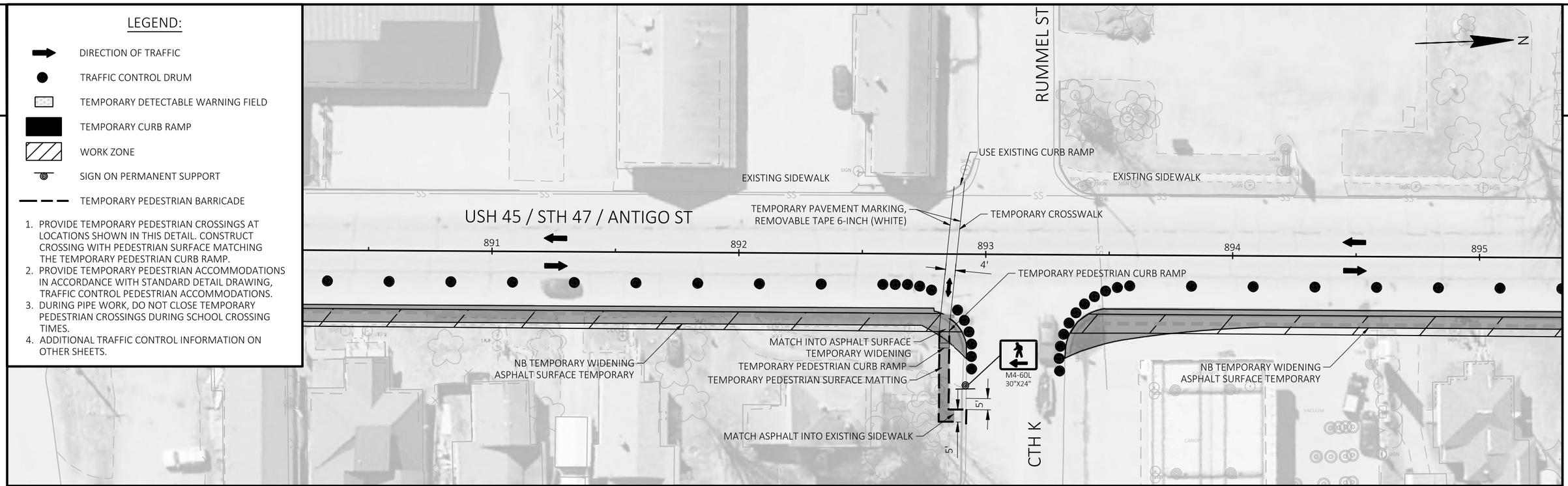
FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\025101-PED TC.DWG
LAYOUT NAME - 025101-ped tc - STG 1 Overview

PLOT DATE : 4/10/2024 12:49 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:175 FT

LEGEND:

- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY CURB RAMP
- WORK ZONE
- SIGN ON PERMANENT SUPPORT
- TEMPORARY PEDESTRIAN BARRICADE

1. PROVIDE TEMPORARY PEDESTRIAN CROSSINGS AT LOCATIONS SHOWN IN THIS DETAIL. CONSTRUCT CROSSING WITH PEDESTRIAN SURFACE MATCHING THE TEMPORARY PEDESTRIAN CURB RAMP.
2. PROVIDE TEMPORARY PEDESTRIAN ACCOMMODATIONS IN ACCORDANCE WITH STANDARD DETAIL DRAWING, TRAFFIC CONTROL PEDESTRIAN ACCOMMODATIONS.
3. DURING PIPE WORK, DO NOT CLOSE TEMPORARY PEDESTRIAN CROSSINGS DURING SCHOOL CROSSING TIMES.
4. ADDITIONAL TRAFFIC CONTROL INFORMATION ON OTHER SHEETS.



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	PEDESTRIAN TRAFFIC CONTROL - STAGE 1 DETAILS	SHEET 57	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\025101-PED TC.DWG
LAYOUT NAME - 025102-ped tc STG 1

PLOT DATE : 4/10/2024 12:49 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

ARCOLA ST

MINOLA ST

RUMMEL ST

COLE ST

OWANO ST

ELCHO ST

ENTERPRISE LAKE RD

BLUEBIRD ALLEY

BLUEBIRD LN

CTH K

DORR ST

USH 45 / STH 47 / ANTIGO ST

PEDESTRIAN TRAFFIC CONTROL - STAGE 2 DETAILS

PEDESTRIAN TRAFFIC CONTROL - STAGE 2 DETAILS

EDGE OF NB TEMPORARY WIDENING

EDGE OF NB TEMPORARY WIDENING

SIDEWALK CLOSED AHEAD
R9-9A
30"X18"

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED AHEAD
R9-9A
30"X18"
DETOUR
M4-9BR
30"X24"

SIDEWALK CLOSED AHEAD
R9-9A
30"X18"
DETOUR
M4-9BL
30"X24"

886 887 888 889 890 891 892 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913

LEGEND

- DIRECTION OF TRAFFIC
- EXISTING PEDESTRIAN ROUTE
- FINISHED PEDESTRIAN ROUTE
- SIGN ON PERMANENT SUPPORT
- WORK AREA FOR SIDEWALK AND CURB RAMPS
- TEMPORARY PAVEMENT

NOTES:

1. PROVIDE PEDESTRIAN ACCOMMODATION SIGNS PER THIS DETAIL DURING SIDEWALK REMOVAL.
2. DURING STAGE 2 INCLUDE SHUTTLE SERVICE TO TRANSPORT PEDESTRIANS WHEN/WHERE PEDESTRIAN ACCOMMODATIONS ARE NOT AVAILABLE.
3. ADDITIONAL TRAFFIC CONTROL INFORMATION ON OTHER SHEETS.

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	TRAFFIC CONTROL PEDESTRIAN ACCOMMODATIONS-STAGE 2	SHEET 58	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\025101-PED TC.DWG
LAYOUT NAME - 025103-ped tc - STG 2 Overview

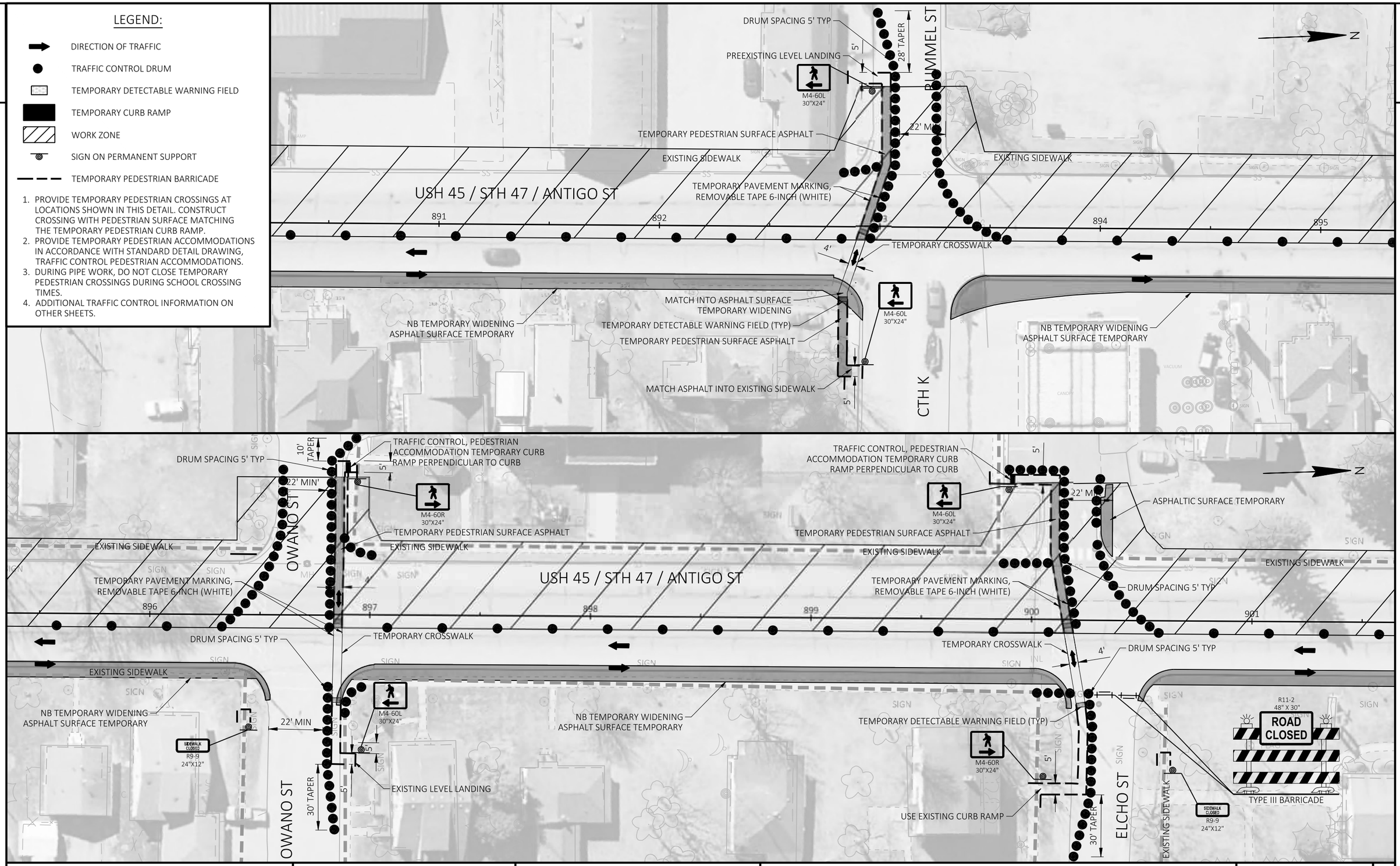
PLOT DATE : 4/10/2024 12:49 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

LEGEND:

- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY CURB RAMP
- WORK ZONE
- SIGN ON PERMANENT SUPPORT
- TEMPORARY PEDESTRIAN BARRICADE

1. PROVIDE TEMPORARY PEDESTRIAN CROSSINGS AT LOCATIONS SHOWN IN THIS DETAIL. CONSTRUCT CROSSING WITH PEDESTRIAN SURFACE MATCHING THE TEMPORARY PEDESTRIAN CURB RAMP.
2. PROVIDE TEMPORARY PEDESTRIAN ACCOMMODATIONS IN ACCORDANCE WITH STANDARD DETAIL DRAWING, TRAFFIC CONTROL PEDESTRIAN ACCOMMODATIONS.
3. DURING PIPE WORK, DO NOT CLOSE TEMPORARY PEDESTRIAN CROSSINGS DURING SCHOOL CROSSING TIMES.
4. ADDITIONAL TRAFFIC CONTROL INFORMATION ON OTHER SHEETS.



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	PEDESTRIAN TRAFFIC CONTROL - STAGE 2 DETAILS	SHEET 59	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\025101-PED TC.DWG
LAYOUT NAME - 025104-ped tc STG 2

PLOT DATE : 4/10/2024 12:50 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	TRAFFIC CONTROL PEDESTRIAN ACCOMMODATIONS-STAGE 3	SHEET 60	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\025101-PED TC.DWG
LAYOUT NAME - 025105-ped tc - STG 3 Overview

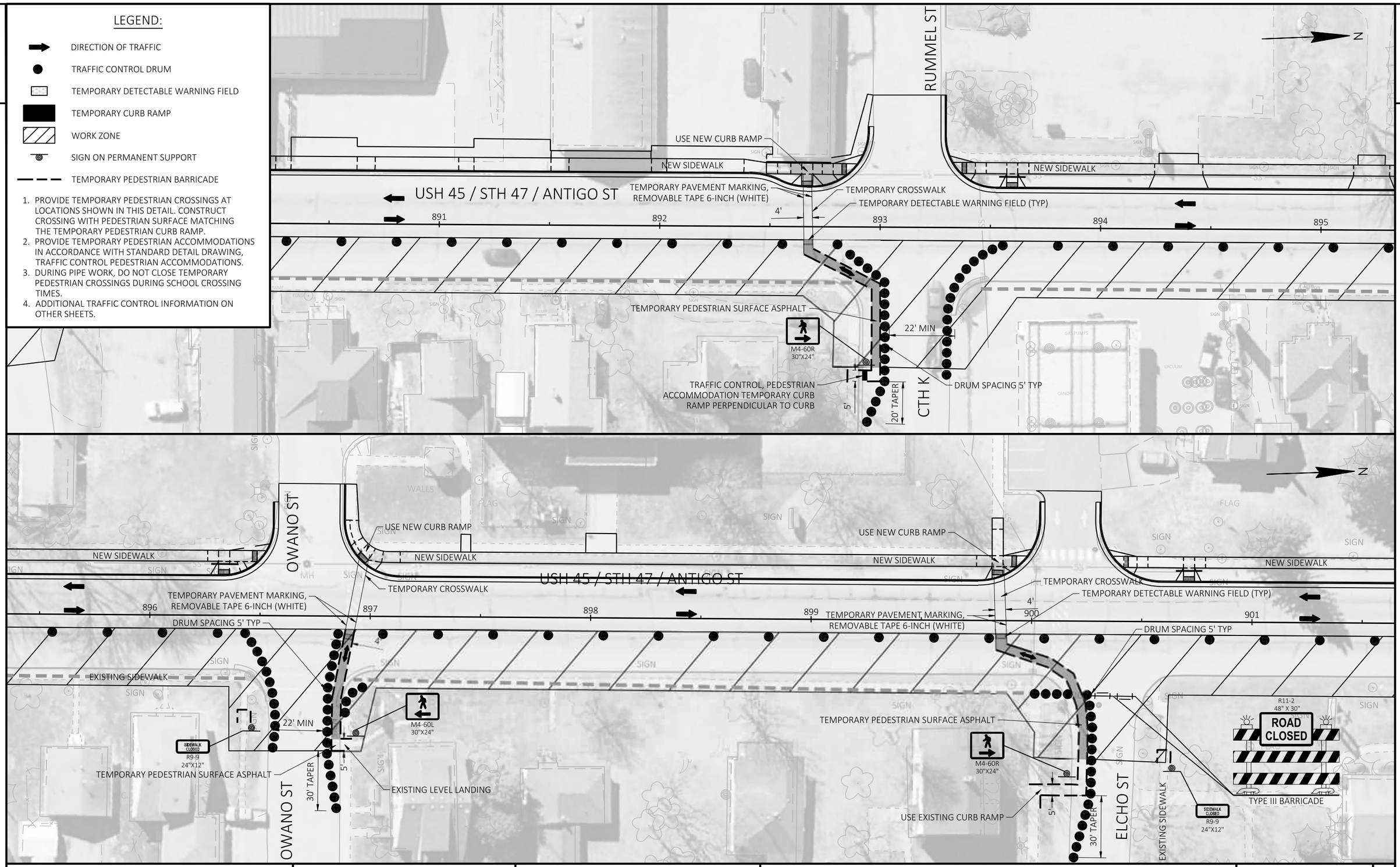
PLOT DATE : 4/10/2024 12:50 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:175 FT

2

LEGEND:

- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY CURB RAMP
- WORK ZONE
- SIGN ON PERMANENT SUPPORT
- TEMPORARY PEDESTRIAN BARRICADE

1. PROVIDE TEMPORARY PEDESTRIAN CROSSINGS AT LOCATIONS SHOWN IN THIS DETAIL. CONSTRUCT CROSSING WITH PEDESTRIAN SURFACE MATCHING THE TEMPORARY PEDESTRIAN CURB RAMP.
2. PROVIDE TEMPORARY PEDESTRIAN ACCOMMODATIONS IN ACCORDANCE WITH STANDARD DETAIL DRAWING, TRAFFIC CONTROL PEDESTRIAN ACCOMMODATIONS.
3. DURING PIPE WORK, DO NOT CLOSE TEMPORARY PEDESTRIAN CROSSINGS DURING SCHOOL CROSSING TIMES.
4. ADDITIONAL TRAFFIC CONTROL INFORMATION ON OTHER SHEETS.



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	PEDESTRIAN TRAFFIC CONTROL - STAGE 3 DETAILS	SHEET 61	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\025101-PED TC.DWG
LAYOUT NAME - 025106-ped tc STG 3

PLOT DATE : 4/10/2024 12:50 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

ROAD WORK AHEAD W20-1A

CLINIC ST

BEGIN PROJECT
STA 880+65

END ROAD WORK
G20-2A
48"X24"

500'

880+00

885+00

USH 45 / STH 47 / ANTIGO ST

890+00

895+00

900+00

ROAD WORK AHEAD W20-1A

COLE ST

MINOLA ST

ROAD WORK AHEAD W20-1A

RUMMEL ST

ROAD WORK AHEAD W20-1A

OWANO ST

ELCHO SCHOOL DISTRICT

ROAD WORK AHEAD W20-1A

CTH B / ENTERPRISE LAKE RD

N

MATCH LINE STA 904+00

1500'

500'

500'

ROAD WORK AHEAD W20-1A

ROAD WORK 1000 FT W20-1C

ROAD WORK 500 FT W20-1D

HWY 45
ROAD WORK
BEGINS XXX-XX
G20-57
72"X36"

DORR ST

COLE ST

ROAD WORK AHEAD W20-1A

CTH K / RUMMEL ST

TOWN OF ELCHO

ALLEY ST

ROAD WORK AHEAD W20-1A

OWANO ST

ROAD WORK AHEAD W20-1A

ELCHO ST

ROAD CLOSED AHEAD W20-3A

ROAD WORK AHEAD W20-1A

BLUEBIRD ST

BLUEBIRD ALLEY

ROAD WORK AHEAD W20-1A

BLUEBIRD ALLEY

HWY 45
ROAD WORK
BEGINS XXX-XX
G20-57
72"X36"

ROAD WORK 500 FT W20-1D

OTTER LAKE LN

ROAD WORK 1000 FT W20-1C

ROAD WORK AHEAD W20-1A

OTTER LAKE

N

ELM ST

500'

500'

1500'

MATCH LINE STA 903+00

905+00

910+00

915+00

920+00

USH 45 / STH 47 / ANTIGO ST

500'

END PROJECT
STA 914+53

END ROAD WORK
G20-2A
48"X24"

SUNSET RD

NOTES:

1. PLACE G20-57 SIGNS 7 DAYS PRIOR TO CONSTRUCTION AND REMOVE WHEN CONSTRUCTION BEGINS.
2. REFER TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC".
3. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
4. ADDITIONAL TRAFFIC CONTROL INFORMATION ON OTHER SHEETS.

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	ADVANCED WARNING OVERVIEW	SHEET 62	E

2

ROOTHOUSE RD

ENTERPRISE RD

MEKINAC RD

SOUTH
M3-3
24"X12"
45
M1-4
24"X24"

MAX. 10' WIDTH
W12-52
48"X48"

PELICAN LAKE

USH 45

CTH B

MEIST

N

REPINSKE RD

S SHORE RD

CTH G

PLANERT CRK RD

PLANTATION RD

ENTERPRISE LK RD

OLD ELCHO RD

CTH G

RUSTICK RD

4 MILES AHEAD
W57-52
36"X24"

PRATT JUNCTION RD

OLD ELCHO RD

POPPLE

OUTLET DR

INDIAN HILL DR

BISHOP LN

TRAILS END RD

SUNSET RD

NORTHWOODS LN

SCHULTZ LN

ENTERPRISE LK RD

ENTERPRISE LK RD

LAGOON LN

MOCCASIN LK RD

CTH K

FISH LN

KELLY LN

LUTHER LN

BEAR RD

Elcho

BALSAM LN

JACOBS LN

PINE LK RD

HUNTING RIVER RD

NORTH
M3-1
24"X12"
45
M1-4
24"X24"

MAX. 10' WIDTH
W12-52
48"X48"

CTH B

USH 45 / USH 47

HUNTING RIVER RD

SUMMIT LK DR

RICE BED LN

DAM RD

FITZGERALD RD

AIRHOLE LK LN

BRADY LN

HUNTING RIVER RD

RIVER AVE

CTH T

3 1/2 MILES AHEAD
W57-52
36"X24"

Summit Lake

POTTER RD

DOCS RD

NOTE:

STAGE 1: PLACE ADVANCED WARNING WIDTH RESTRICTIONS SIGNS FOR THE USH 45 NORTH BOUND LANE ONLY SIGNED AS 12' MAX. WIDTH.

STAGE 2 AND STAGE 3: PLACE ADVANCED WARNING WIDTH RESTRICTIONS SIGNS AS NOTED ON THIS SHEET.

STAGE 4: NO ADVANCED WARNING WIDTH RESTRICTION SIGNS.

2

OLD ELCHO RD

POPPLE

N

MAX. 10' WIDTH
W12-52
48"X48"

BISHOP LN

SUNSET RD

ENTERPRISE LK RD

LAGOON LN

FISH LN

CTH K

Elcho

BALSAM LN

JACOBS LN

HUNTING RIVER RD

CTH B

USH 45 / USH 47

LEGEND

SIGN ON PERMANENT SUPPORT

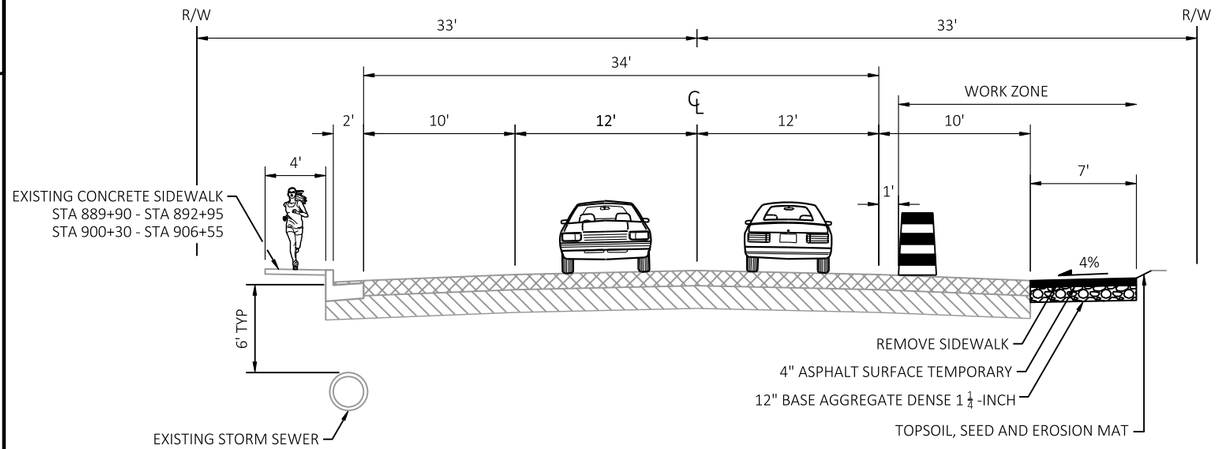
WORK AREA

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	ADVANCED WIDTH RESTRICTION OVERVIEW	SHEET 63	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\025001-AWIDTH1.DWG
LAYOUT NAME - 025001-awidth1

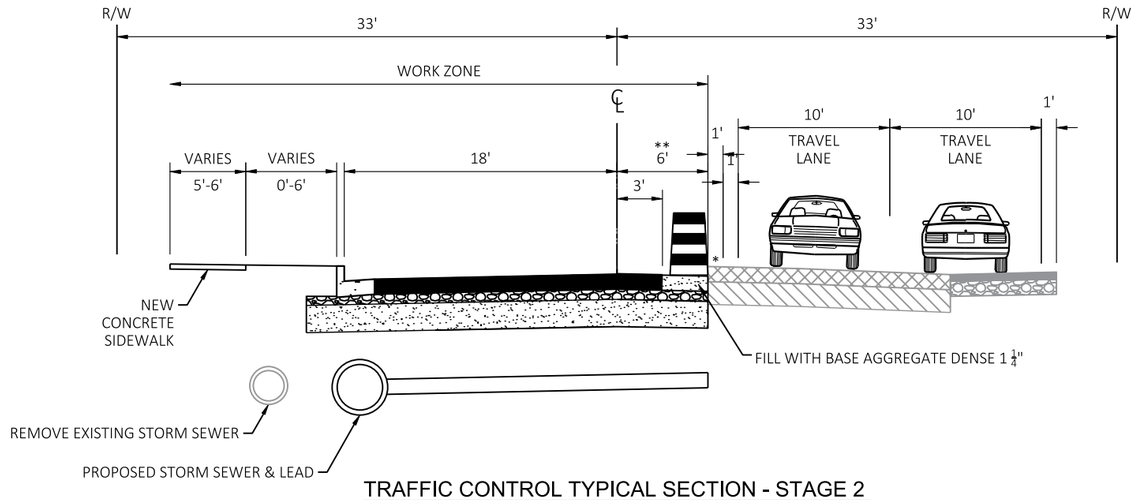
PLOT DATE : 4/10/2024 12:54 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42



TRAFFIC CONTROL TYPICAL SECTION - STAGE 1

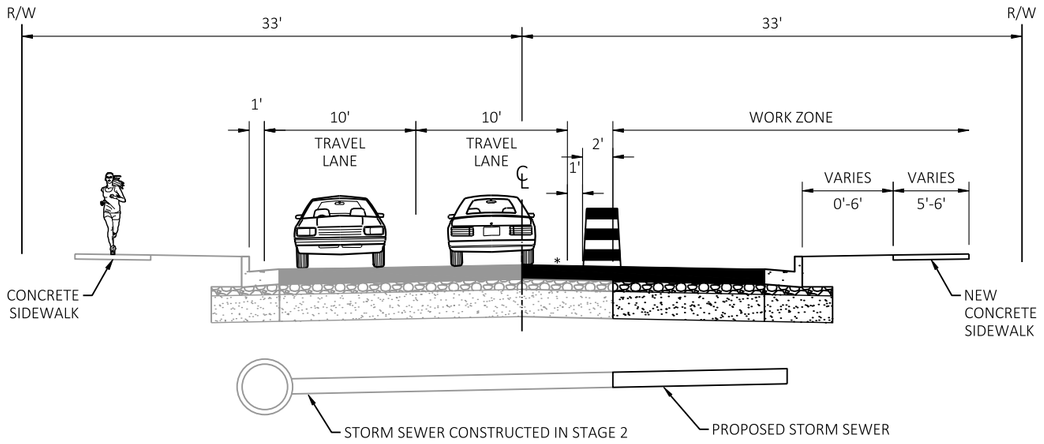
CONSTRUCT NB TEMPORARY WIDENING



TRAFFIC CONTROL TYPICAL SECTION - STAGE 2

CONSTRUCT SB USH 45 AND STAGE 2 TEMPORARY WIDENINGS

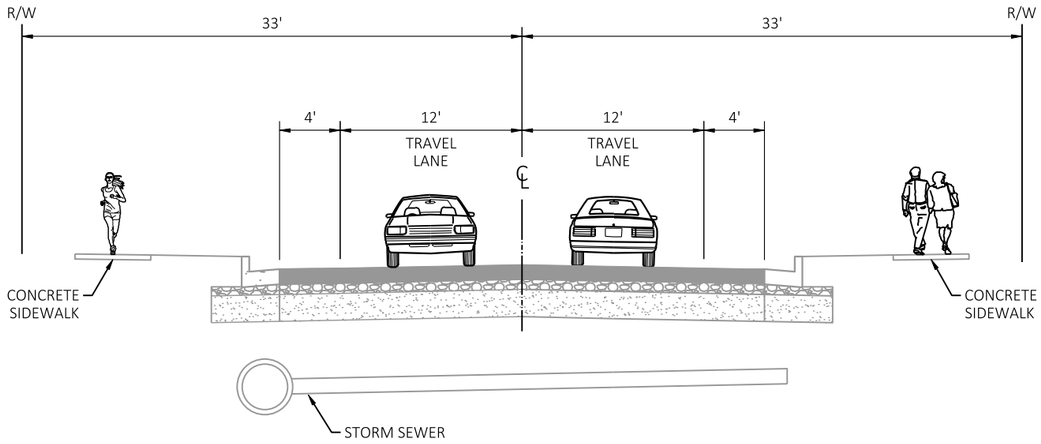
* TAPER BASE FROM NEW ASPHALT TO EXISTING ASPHALT AT DRIVEWAYS AND SIDEROADS
** VARIES 4' - 6' BETWEEN STATION 880+65 - STATION 880+90



TRAFFIC CONTROL TYPICAL SECTION - STAGE 3

CONSTRUCT NB USH 45

* REMOVE ASPHALT RT OF CENTERLINE AND PAVE NEW NB ASPHALT TO CENTERLINE USING FLAGGING OPERATIONS.



TRAFFIC CONTROL TYPICAL SECTION - STAGE 4

COMPLETE PAVEMENT MARKING AND FINISHING

REMOVE TEMPORARY WIDENINGS
STA 877+12 - STA 881+30 LT
STA 883+38 - STA 886+00 LT
STA 914+04 - STA 917+94 LT

NOTE:

MOVE TRAFFIC CONTROL DRUMS OVER THE TRAVEL LANE WHEN WORKING ADJACENT TO TRAFFIC. IMMEDIATELY MOVE TRAFFIC CONTROL DRUMS BACK TO THE INSIDE EDGE OF THE WORK ZONE AFTER ADJACENT CONSTRUCTION OPERATIONS ARE COMPLETED.

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	TRAFFIC CONTROL	SHEET 64	E

2

CONSTRUCT TEMPORARY WIDENING
STA 879+35 - STA 880+76 UNDER FLAGGING OPERATION

INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY"

BEGIN PROJECT
STA 880+65

CLINIC ST

R/W

N

879+00 880+00 881+00 882+00 883

12'

12'

MATCHLINE STA 883+00

BP: 878+85.77

300'

25' TYP

50' TYP

STA 879+35.1
12.0' RT

SLOPE INTERCEPT

STA 880+76.1
28.9' RT

SHOULDER WORK
W21-5

RAMP

PAVEMENT MARKING LEGEND

TR6W	TEMPORARY MARKING LINE REMOVABLE TAPE, 6-INCH (WHITE)
TR6DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 6-INCH DOUBLE (YELLOW)

TRAFFIC CONTROL LEGEND

- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT
- WORK ZONE
- TEMPORARY PAVEMENT
- TYPE III BARRICADE WITH SIGN
- TYPE III BARRICADE
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- MARKING LINE REMOVAL
- FLAGS, 16" X 16" MIN. (ORANGE)

DO NOT CLOSE ADJACENT SIDE ROADS AT THE SAME TIME. MAINTAIN CTH K, OWANO ST, AND ENTERPRISE LAKE RD ACCESS AT ALL TIMES

COLE ST

INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY"

MATCHLINE STA 890+50

USH 45 / STH 47 / ANTIGO ST

884+00 885+00 886+00 887+00 888+00 889+00 890+00

12'

12'

50' TYP

MATCHLINE STA 883+00

PC: 888+07.0

PT: 890+10.5

STA 888+82.1
29.0' RT

STA 888+86.4
37.5' RT

STA 889+26.6
29.0' RT

STA 889+23.6
32.7' RT

REPLACE EXISTING CASTING WITH TYPE V CASTING
ADJUST TO MATCH NEW TEMPORARY ASPHALT ELEVATION
1 EA - RECONSTRUCTING INLETS

REPLACE EXISTING CASTING WITH TYPE V CASTING
ADJUST TO MATCH NEW TEMPORARY ASPHALT ELEVATION
1 EA - RECONSTRUCTING INLETS

SLOPE INTERCEPT

COLE ST

STAGE 1 NOTES

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

ADDITIONAL TRAFFIC CONTROL INFORMATION ON OTHER SHEETS.

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	TRAFFIC CONTROL - STAGE 1	SHEET 65 E

2

REPLACE EXISTING CASTING WITH TYPE V CASTING
ADJUST TO MATCH NEW TEMPORARY ASPHALT ELEVATION
1 EA - RECONSTRUCTING INLETS

INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY"
1 EA - RECONSTRUCTING INLETS

RUMMEL ST

OWANO ST

MATCHLINE STA 890+50

USH 45 / STH 47 / ANTIGO ST

891+00 892+00 893+00 894+00 895+00 896+00 897+00 898

50' TYP

12' 12'

R/W

SLOPE INTERCEPT

STA 892+74.2
29.0' RT

STA 892+92.5
42.5' RT

STA 894+12.3
29.0' RT

STA 893+83.7
30.9' RT

STA 893+55.4
34.5' RT

STA 893+43.6
37.5' RT

STA 893+32.3
42.0' RT

CTH K / RUMMEL ST

STA 896+48.5
29.0' RT

STA 896+52.8
38.8' RT

STA 896+91.9
29.0' RT

STA 896+87.7
37.1' RT

OWANO ST

PAVEMENT MARKING LEGEND

TR6W	TEMPORARY MARKING LINE REMOVABLE TAPE, 6-INCH (WHITE)
TR6DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 6-INCH DOUBLE (YELLOW)

TRAFFIC CONTROL LEGEND

- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT
- WORK ZONE
- TEMPORARY PAVEMENT
- TYPE III BARRICADE WITH SIGN
- TYPE III BARRICADE
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- MARKING LINE REMOVAL
- FLAGS, 16" X 16" MIN. (ORANGE)

DO NOT CLOSE ADJACENT SIDE ROADS AT THE SAME TIME. MAINTAIN CTH K, OWANO ST, AND ENTERPRISE LAKE RD ACCESS AT ALL TIMES

MATCHLINE STA 898+00

USH 45 / STH 47 / ANTIGO ST

899+00 900+00 901+00 902+00 903+00 904+00 905+00

50' TYP

12' 12'

R/W

SLOPE INTERCEPT

REPLACE EXISTING CASTING WITH TYPE V CASTING
ADJUST TO MATCH NEW TEMPORARY ASPHALT ELEVATION
1 EA - RECONSTRUCTING INLETS

STA 900+11.6
29.0' RT

STA 900+15.9
39.9' RT

STA 900+55.3
29.0' RT

STA 900+50.9
36.6' RT

R11-2
48" X 30"

ROAD CLOSED

TYPE III BARRICADE

PC: 902+26

ELCHO ST

INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY"

REPLACE EXISTING CASTING WITH TYPE V CASTING
ADJUST TO MATCH NEW TEMPORARY ASPHALT ELEVATION
1 EA - RECONSTRUCTING INLETS

MATCHLINE STA 905+50

STAGE 1 NOTES

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

ADDITIONAL TRAFFIC CONTROL INFORMATION ON OTHER SHEETS.

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	TRAFFIC CONTROL - STAGE 1	SHEET 66	E

2

BLUEBIRD ST

INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED HIGHWAY"

MATCHLINE STA 905+50

MATCHLINE STA 913+00

USH 45 / STH 47 / ANTIGO ST

906+00 907+00 908+00 909+00 910+00 911+00 912+00 913

12' 12' 50' TYP

PT: 905+67.97

R/W

SLOPE INTERCEPT

REPLACE EXISTING CASTING WITH TYPE V CASTING
ADJUST TO MATCH NEW TEMPORARY ASPHALT ELEVATION
1 EA - RECONSTRUCTING INLET S

PAVEMENT MARKING LEGEND

TR6W TEMPORARY MARKING LINE REMOVABLE TAPE, 6-INCH (WHITE)

TR6DY TEMPORARY MARKING LINE REMOVABLE TAPE, 6-INCH DOUBLE (YELLOW)

TRAFFIC CONTROL LEGEND

- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT
- WORK ZONE
- TEMPORARY PAVEMENT
- TYPE III BARRICADE WITH SIGN
- TYPE III BARRICADE
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- MARKING LINE REMOVAL
- FLAGS, 16" X 16" MIN. (ORANGE)

DO NOT CLOSE ADJACENT SIDE ROADS AT THE SAME TIME. MAINTAIN CTH K, OWANO ST, AND ENTERPRISE LAKE RD ACCESS AT ALL TIMES

BLUEBIRD ALLEY

OTTER LAKE LN

END PROJECT
STA 914+53

MATCHLINE STA 913+00

USH 45 / STH 47 / ANTIGO ST

+00 914+00 915+00 916+00 917+00 918+00 919+00 920+00

12' 12' 50' TYP

STA 915+38.1
29.0' RT

STA 916+65.6
12.0' RT

SLOPE INTERCEPT

CONSTRUCT TEMPORARY WIDENING
STA 913+25 - STA 916+75 UNDER FLAGGING OPERATION

STAGE 1 NOTES

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

ADDITIONAL TRAFFIC CONTROL INFORMATION ON OTHER SHEETS.

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	TRAFFIC CONTROL - STAGE 1	SHEET 67	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\025101-TC - ALT 2.DWG
LAYOUT NAME - 025103-tc STG 1

PLOT DATE : 4/4/2024 1:39 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

STAGE 2 NOTES:

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTES.

PLACE 10-FOOT ADVANCED WIDTH SIGNING PER STANDARD DETAIL DRAWING "ADVANCED WIDTH RESTRICTION SIGNING" AT THE FOLLOWING LOCATIONS:
- STH 45/CTH T INTERSECTION (3 1/2 MILES AHEAD)
- STH 45/CTH G INTERSECTION (2 MILES AHEAD)
- CTH K/CTH U INTERSECTION (3 MILES AHEAD)

ADDITIONAL TRAFFIC CONTROL INFORMATION ON OTHER SHEETS.

2

R11-2L 48" X 30" LANE CLOSED
TYPE III BARRICADE
STA 881+30 -18.2' LT
W01-4R
CONSTRUCT TEMPORARY WIDENING STA 877+10 - STA 881+30 UNDER FLAGGING OPERATION
163'
TR6DY
TR6W
T6W
STOP R1-1 30"X30"
CLINIC ST
879+00
880+00
881+00
882+00
50' TYP
10'
25' TYP
MATCHLINE STA 883+00
500'
1500'
MAX. 10' WIDTH
W12-52 48"X48"
W01-4R
WO1-6 48" X 24"
TYPE III BARRICADE
BP: 878+85.77
T6DY
BEGIN PROJECT STA 880+65
INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE"
R11-2L 48" X 30" LANE CLOSED
TYPE III BARRICADE
IP

PAVEMENT MARKING LEGEND

T6W	TEMPORARY MARKING LINE PAINT, 6-INCH (WHITE)
TR6W	TEMPORARY MARKING LINE REMOVABLE TAPE, 6-INCH (WHITE)
T6DY	TEMPORARY MARKING LINE PAINT, 6-INCH DOUBLE (YELLOW)
TR6DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 6-INCH DOUBLE (YELLOW)

TRAFFIC CONTROL LEGEND

- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT
- WORK ZONE
- TEMPORARY PAVEMENT
- TYPE III BARRICADE WITH SIGN
- TYPE III BARRICADE
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- MARKING LINE REMOVAL
- FLAGS, 16" X 16" MIN. (ORANGE)

DO NOT CLOSE ADJACENT SIDE ROADS AT THE SAME TIME. MAINTAIN CTH K, OWANO ST, AND ENTERPRISE LAKE RD ACCESS AT ALL TIMES

INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY / EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER"

INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE"

COLE ST

CONNECT TO STR 2.1 EL=1626.50

R11-2L 48" X 30" LANE CLOSED
TYPE III BARRICADE

STA 883+37.7 -18.0' LT

STA 886+00 -18.0' LT

USH 45 / STH 47 / ANTIGO ST

MATCHLINE STA 883+00

884+00
885+00
886+00
887+00
888+00
889+00
890+00

50' TYP
10'

T6W
T6DY

CONNECT TO EXISTING 8" PVC EL=1626.60
1 EA - TEMPORARY STORM SEWER CONNECTION

CONNECT TO EXISTING 12" RCCP EL=1626.50
1 EA - TEMPORARY STORM SEWER CONNECTION

PC: 888+07.10

STOP R1-1 30"X30"

CONNECT TO EXISTING RCCP EL=1626.59
1 EA - TEMPORARY STORM SEWER CONNECTION

PT: 890+10.65

MATCHLINE STA 890+50

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	TRAFFIC CONTROL - STAGE 2	SHEET 68	E

2

INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

RUMMEL ST

INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY / EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER"

INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE"

OWANO ST

STOP
R1-1
30"X30"

MATCHLINE STA 890+50

USH 45 / STH 47 / ANTIGO ST

891+00 892+00 893+00 894+00 895+00 896+00 897+00

MATCHLINE STA 898+00

50' TYP

10'

10'

R/W

T6W

STOP
R1-1
30"X30"

CONNECT TO EXISTING 12" RCCP
EL=1627.23
1 EA - TEMPORARY STORM SEWER CONNECTION

CTH K / RUMMEL ST

T6DY

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

OWANO ST

PAVEMENT MARKING LEGEND

- T6W TEMPORARY MARKING LINE PAINT, 6-INCH (WHITE)
- TR6W TEMPORARY MARKING LINE REMOVABLE TAPE, 6-INCH (WHITE)
- T6DY TEMPORARY MARKING LINE PAINT, 6-INCH DOUBLE (YELLOW)
- TR6DY TEMPORARY MARKING LINE REMOVABLE TAPE, 6-INCH DOUBLE (YELLOW)

TRAFFIC CONTROL LEGEND

- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT
- WORK ZONE
- TEMPORARY PAVEMENT
- TYPE III BARRICADE WITH SIGN
- TYPE III BARRICADE
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- MARKING LINE REMOVAL
- FLAGS, 16" X 16" MIN. (ORANGE)

DO NOT CLOSE ADJACENT SIDE ROADS AT THE SAME TIME. MAINTAIN CTH K, OWANO ST, AND ENTERPRISE LAKE RD ACCESS AT ALL TIMES

CONNECT TO EXISTING 12" RCCP
EL=1628.03
1 EA - TEMPORARY STORM SEWER CONNECTION

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE"

INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY / EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER"

STOP
R1-1
30"X30"

MATCHLINE STA 898+00

USH 45 / STH 47 / ANTIGO ST

899+00 900+00 901+00 902+00 903+00 904+00 905+00

MATCHLINE STA 905+50

50'

50' TYP

10'

R/W

INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE"

STOP
R1-1
30"X30"

T6DY

T6W

PC: 902+26.00

ELCHO ST

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

CONNECT TO EXISTING 8" PVC
EL=1628.52
1 EA - TEMPORARY STORM SEWER CONNECTION

CONNECT TO EXISTING 12" RCCP
EL=1628.35
1 EA - TEMPORARY STORM SEWER CONNECTION

STAGE 2 NOTES:

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTES.

PLACE 10-FOOT ADVANCED WIDTH SIGNING PER STANDARD DETAIL DRAWING "ADVANCED WIDTH RESTRICTION SIGNING" AT THE FOLLOWING LOCATIONS:

- STH 45/CTH T INTERSECTION (3 1/2 MILES AHEAD)
- STH 45/CTH G INTERSECTION (2 MILES AHEAD)
- CTH K/CTH U INTERSECTION (3 MILES AHEAD)

ADDITIONAL TRAFFIC CONTROL INFORMATION ON OTHER SHEETS.

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	TRAFFIC CONTROL - STAGE 2	SHEET 69 E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\025101-TC - ALT 2.DWG
LAYOUT NAME - 025105-tc STG 2

PLOT DATE : 4/4/2024 1:40 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2

BLUEBIRD ST

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE"

INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY / EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER"

R/W

MATCHLINE STA 905+50

906+00 907+00 908+00 909+00 910+00 911+00 912+00 913

USH 45 / STH 47 / ANTIGO ST

50' TYP

10'

10'

PT: 905+67.97

STOP
R1-1
30"X30"

CONNECT TO EXISTING 8" PVC
EL=1634.54
1 EA - TEMPORARY STORM SEWER CONNECTION

T6DY
T6W

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

STOP
R1-1
30"X30"

MATCHLINE STA 913+00

2

PAVEMENT MARKING LEGEND

- T6W TEMPORARY MARKING LINE PAINT, 6-INCH (WHITE)
- TR6W TEMPORARY MARKING LINE REMOVABLE TAPE, 6-INCH (WHITE)
- T6DY TEMPORARY MARKING LINE PAINT, 6-INCH DOUBLE (YELLOW)
- TR6DY TEMPORARY MARKING LINE REMOVABLE TAPE, 6-INCH DOUBLE (YELLOW)

TRAFFIC CONTROL LEGEND

- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT
- WORK ZONE
- TEMPORARY PAVEMENT
- TYPE III BARRICADE WITH SIGN
- TYPE III BARRICADE
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- MARKING LINE REMOVAL
- FLAGS, 16" X 16" MIN. (ORANGE)

DO NOT CLOSE ADJACENT SIDE ROADS AT THE SAME TIME. MAINTAIN CTH K, OWANO ST, AND ENTERPRISE LAKE RD ACCESS AT ALL TIMES

BLUEBIRD ALLEY

INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE"

CONSTRUCT TEMPORARY WIDENING STA 914+04 - STA 917+95 UNDER FLAGGING OPERATION

WO1-6
48" X 24"
TYPE III BARRICADE

STA 913+35.3
-18.0' LT

151'

25' TYP

STA 917+50.5
-18.0' LT

STA 917+94.2
-12.3' LT

MATCHLINE STA 913+00

914+00 915+00 916+00 917+00 918+00 919+00 920+00

USH 45 / STH 47 / ANTIGO ST

10'

10'

50' TYP

END PROJECT
STA 914+53

T6DY
TR6W
T6W
TR6DY

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

WO1-4L

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

WO1-6
48" X 24"
TYPE III BARRICADE

R/W

WO1-4L

MAX.
10'
WIDTH

W12-52
48"X48"

1500'

500'

OTTER LAKE LN

GUY POLE

STAGE 2 NOTES:

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTES.

PLACE 10-FOOT ADVANCED WIDTH SIGNING PER STANDARD DETAIL DRAWING "ADVANCED WIDTH RESTRICTION SIGNING" AT THE FOLLOWING LOCATIONS:

- STH 45/CTH T INTERSECTION (3 1/2 MILES AHEAD)
- STH 45/CTH G INTERSECTION (2 MILES AHEAD)
- CTH K/CTH U INTERSECTION (3 MILES AHEAD)

ADDITIONAL TRAFFIC CONTROL INFORMATION ON OTHER SHEETS.

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	TRAFFIC CONTROL - STAGE 2	SHEET 70	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\025101-TC - ALT 2.DWG
LAYOUT NAME - 025106-tc STG 2

PLOT DATE : 4/4/2024 1:40 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:50 FT

STAGE 3 NOTES:

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTES.

PLACE 10-FOOT ADVANCED WIDTH SIGNING PER STANDARD DETAIL DRAWING "ADVANCED WIDTH RESTRICTION SIGNING" AT THE FOLLOWING LOCATIONS:
- STH 45/CTH T INTERSECTION (3 1/2 MILES AHEAD)
- STH 45/CTH G INTERSECTION (2 MILES AHEAD)
- CTH K/CTH U INTERSECTION (3 MILES AHEAD)

ADDITIONAL TRAFFIC CONTROL INFORMATION ON OTHER SHEETS.

W01-6 48" X 24"
TYPE III BARRICADE
W01-4L
TR6W
TR6DY
TR6W
BEGIN PROJECT STA 880+65
INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER"
879+00
880+00
881+00
882+00
883
MATCHLINE STA 883+00
10'
50' TYP
25' TYP
66'
500'
1500'
MAX. 10' WIDTH
W12-S2 48"X48"
W01-4L
W01-6 48" X 24"
TYPE III BARRICADE
BP: 878+85.77
REMOVE TEMPORARY WIDENING CONSTRUCTED IN STAGE 1
R11-2L 48" X 30"
LANE CLOSED
TYPE III BARRICADE
R/W
CLINIC ST
N
GUY POLE
SIGN
RAMP

PAVEMENT MARKING LEGEND

TR6W	TEMPORARY MARKING LINE REMOVABLE TAPE, 6-INCH (WHITE)
TR6DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 6-INCH DOUBLE (YELLOW)

TRAFFIC CONTROL LEGEND

- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT
- WORK ZONE
- TEMPORARY PAVEMENT
- TYPE III BARRICADE WITH SIGN
- TYPE III BARRICADE
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- MARKING LINE REMOVAL
- FLAGS, 16" X 16" MIN. (ORANGE)

DO NOT CLOSE ADJACENT SIDE ROADS AT THE SAME TIME. MAINTAIN CTH K, OWANO ST, AND ENTERPRISE LAKE RD ACCESS AT ALL TIMES

INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER"
TR6DY
USH 45 / STH 47 / ANTIGO ST
884+00
885+00
886+00
887+00
888+00
889+00
890+00
50' TYP
MATCHLINE STA 883+00
MATCHLINE STA 890+50
PC: 888+07.10
PT: 890+10.69
INSTALL TRAFFIC CONTROL ACCORDING TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE"
STOP R111 30"X30"
COLE ST
R11-2L 48" X 30"
LANE CLOSED
TYPE III BARRICADE

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	TRAFFIC CONTROL - STAGE 3	SHEET 71	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\025101-TC - ALT 2.DWG
LAYOUT NAME - 025107-tc STG 3
PLOT DATE : 4/4/2024 1:40 PM
PLOT BY : SHAWN DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

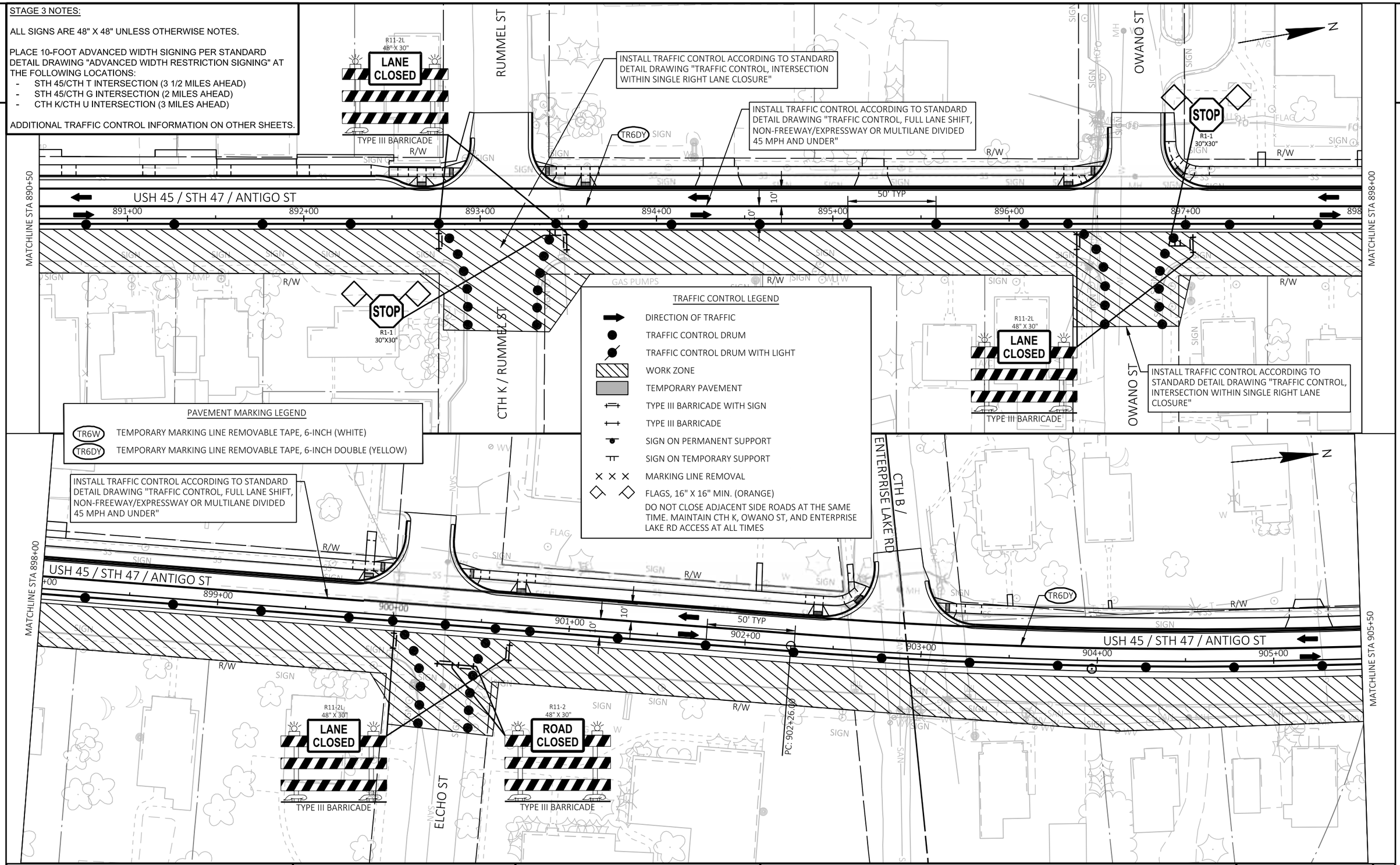
2

STAGE 3 NOTES:

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTES.

PLACE 10-FOOT ADVANCED WIDTH SIGNING PER STANDARD DETAIL DRAWING "ADVANCED WIDTH RESTRICTION SIGNING" AT THE FOLLOWING LOCATIONS:
- STH 45/CTH T INTERSECTION (3 1/2 MILES AHEAD)
- STH 45/CTH G INTERSECTION (2 MILES AHEAD)
- CTH K/CTH U INTERSECTION (3 MILES AHEAD)

ADDITIONAL TRAFFIC CONTROL INFORMATION ON OTHER SHEETS.



PAVEMENT MARKING LEGEND

TR6W	TEMPORARY MARKING LINE REMOVABLE TAPE, 6-INCH (WHITE)
TR6DY	TEMPORARY MARKING LINE REMOVABLE TAPE, 6-INCH DOUBLE (YELLOW)

TRAFFIC CONTROL LEGEND

- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT
- WORK ZONE
- TEMPORARY PAVEMENT
- TYPE III BARRICADE WITH SIGN
- TYPE III BARRICADE
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- MARKING LINE REMOVAL
- FLAGS, 16" X 16" MIN. (ORANGE)

DO NOT CLOSE ADJACENT SIDE ROADS AT THE SAME TIME. MAINTAIN CTH K, OWANO ST, AND ENTERPRISE LAKE RD ACCESS AT ALL TIMES

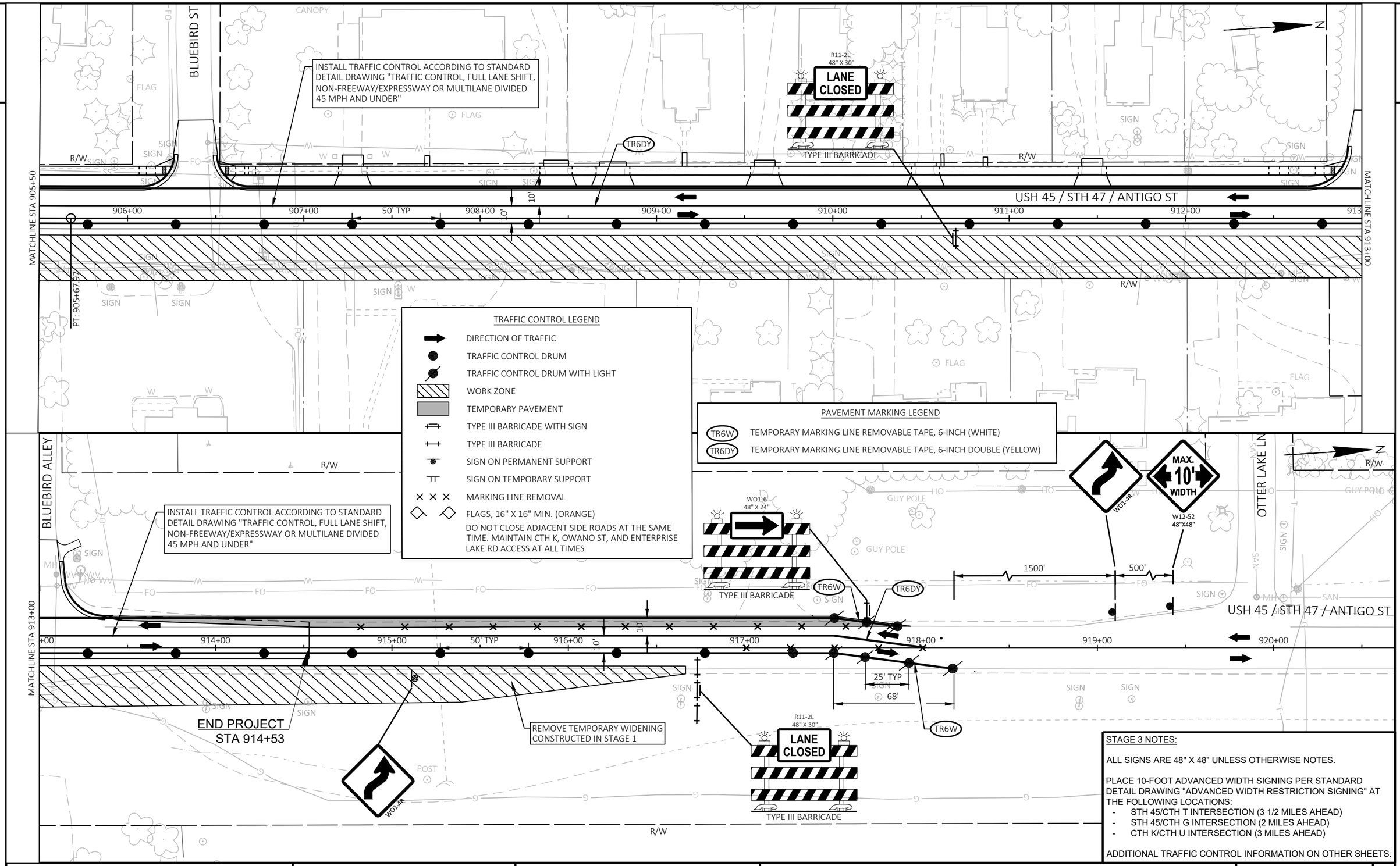
PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	TRAFFIC CONTROL - STAGE 3	SHEET 72	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\025101-TC - ALT 2.DWG
LAYOUT NAME - 025108-tc STG 3

PLOT DATE : 4/4/2024 1:41 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2



STAGE 3 NOTES:

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTES.

PLACE 10-FOOT ADVANCED WIDTH SIGNING PER STANDARD DETAIL DRAWING "ADVANCED WIDTH RESTRICTION SIGNING" AT THE FOLLOWING LOCATIONS:
- STH 45/CTH T INTERSECTION (3 1/2 MILES AHEAD)
- STH 45/CTH G INTERSECTION (2 MILES AHEAD)
- CTH K/CTH U INTERSECTION (3 MILES AHEAD)

ADDITIONAL TRAFFIC CONTROL INFORMATION ON OTHER SHEETS.

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	TRAFFIC CONTROL - STAGE 3	SHEET 73	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\025101-TC - ALT 2.DWG
LAYOUT NAME - 025109-tc STG 3

PLOT DATE : 7/22/2024 4:06 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:50 FT

Estimate Of Quantities

1602-10-71

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	2.000	2.000
0004	201.0205	Grubbing	STA	2.000	2.000
0006	203.0100	Removing Small Pipe Culverts	EACH	1.000	1.000
0008	204.0100	Removing Concrete Pavement	SY	17,236.000	17,236.000
0010	204.0110	Removing Asphaltic Surface	SY	1,961.000	1,961.000
0012	204.0150	Removing Curb & Gutter	LF	5,120.000	5,120.000
0014	204.0155	Removing Concrete Sidewalk	SY	1,476.000	1,476.000
0016	204.0210	Removing Manholes	EACH	1.000	1.000
0018	204.0220	Removing Inlets	EACH	15.000	15.000
0020	204.0245	Removing Storm Sewer (size) 01. 8-Inch	LF	70.000	70.000
0022	204.0245	Removing Storm Sewer (size) 02. 10-Inch	LF	10.000	10.000
0024	204.0245	Removing Storm Sewer (size) 03. 12-Inch	LF	340.000	340.000
0026	204.0245	Removing Storm Sewer (size) 04. 18-Inch	LF	2,120.000	2,120.000
0028	205.0100	Excavation Common	CY	15,122.000	15,122.000
0030	205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	TON	1,500.000	1,500.000
0032	213.0100	Finishing Roadway (project) 01. 1602-10-71	EACH	1.000	1.000
0034	305.0110	Base Aggregate Dense 3/4-Inch	TON	407.000	407.000
0036	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	14,813.000	14,813.000
0038	450.4000	HMA Cold Weather Paving	TON	2,450.000	2,450.000
0040	455.0605	Tack Coat	GAL	1,888.000	1,888.000
0042	460.2000	Incentive Density HMA Pavement	DOL	3,560.000	3,560.000
0044	460.6223	HMA Pavement 3 MT 58-28 S	TON	4,000.000	4,000.000
0046	460.6444	HMA Pavement 4 MT 58-34 H	TON	1,555.000	1,555.000
0048	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	73.000	73.000
0050	465.0125	Asphaltic Surface Temporary	TON	815.000	815.000
0052	465.0315	Asphaltic Flumes	SY	25.000	25.000
0054	520.8000	Concrete Collars for Pipe	EACH	2.000	2.000
0056	522.0436	Culvert Pipe Reinforced Concrete Class IV 36-Inch	LF	40.000	40.000
0058	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	1.000	1.000
0060	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	1.000	1.000
0062	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	3.000	3.000
0064	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	6,220.000	6,220.000
0066	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	79.000	79.000
0068	601.0600	Concrete Curb Pedestrian	LF	79.000	79.000
0070	602.0405	Concrete Sidewalk 4-Inch	SF	18,923.000	18,923.000
0072	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	280.000	280.000
0074	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	22.000	22.000
0076	602.0810	Concrete Driveway 6-Inch	SY	1,224.000	1,224.000
0078	606.0200	Riprap Medium	CY	39.000	39.000
0080	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	70.000	70.000
0082	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	546.000	546.000
0084	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	685.000	685.000
0086	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	494.000	494.000
0088	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	370.000	370.000
0090	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	209.000	209.000
0092	608.0427	Storm Sewer Pipe Reinforced Concrete Class IV 27-Inch	LF	123.000	123.000
0094	608.0430	Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	LF	210.000	210.000
0096	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	1,138.000	1,138.000
0098	608.6008	Storm Sewer Pipe Composite 8-Inch	LF	7.000	7.000

1602-10-71

Line	Item	Item Description	Unit	Total	Qty
0100	608.6012	Storm Sewer Pipe Composite 12-Inch	LF	102.000	102.000
0102	611.0430	Reconstructing Inlets	EACH	7.000	7.000
0104	611.0530	Manhole Covers Type J	EACH	5.000	5.000
0106	611.0624	Inlet Covers Type H	EACH	43.000	43.000
0108	611.0639	Inlet Covers Type H-S	EACH	6.000	6.000
0110	611.0642	Inlet Covers Type MS	EACH	1.000	1.000
0112	611.0654	Inlet Covers Type V	EACH	8.000	8.000
0114	611.1004	Catch Basins 4-FT Diameter	EACH	13.000	13.000
0116	611.1005	Catch Basins 5-FT Diameter	EACH	11.000	11.000
0118	611.1006	Catch Basins 6-FT Diameter	EACH	2.000	2.000
0120	611.1230	Catch Basins 2x3-FT	EACH	26.000	26.000
0122	611.2003	Manholes 3-FT Diameter	EACH	1.000	1.000
0124	611.2004	Manholes 4-FT Diameter	EACH	1.000	1.000
0126	611.2005	Manholes 5-FT Diameter	EACH	1.000	1.000
0128	611.2006	Manholes 6-FT Diameter	EACH	2.000	2.000
0130	611.3220	Inlets 2x2-FT	EACH	1.000	1.000
0132	611.3901	Inlets Median 1 Grate	EACH	1.000	1.000
0134	612.0106	Pipe Underdrain 6-Inch	LF	102.000	102.000
0136	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	40.000	40.000
0138	618.0100	Maintenance and Repair of Haul Roads (project) 01. 1602-10-71	EACH	1.000	1.000
0140	619.1000	Mobilization	EACH	1.000	1.000
0142	624.0100	Water	MGAL	216.000	216.000
0144	625.0100	Topsoil	SY	8,165.000	8,165.000
0146	628.1504	Silt Fence	LF	1,600.000	1,600.000
0148	628.1520	Silt Fence Maintenance	LF	1,600.000	1,600.000
0150	628.1905	Mobilizations Erosion Control	EACH	6.000	6.000
0152	628.1910	Mobilizations Emergency Erosion Control	EACH	3.000	3.000
0154	628.2006	Erosion Mat Urban Class I Type A	SY	7,515.000	7,515.000
0156	628.2008	Erosion Mat Urban Class I Type B	SY	650.000	650.000
0158	628.7005	Inlet Protection Type A	EACH	57.000	57.000
0160	628.7010	Inlet Protection Type B	EACH	8.000	8.000
0162	628.7015	Inlet Protection Type C	EACH	65.000	65.000
0164	628.7504	Temporary Ditch Checks	LF	220.000	220.000
0166	628.7555	Culvert Pipe Checks	EACH	36.000	36.000
0168	628.7560	Tracking Pads	EACH	8.000	8.000
0170	628.7570	Rock Bags	EACH	50.000	50.000
0172	630.0140	Seeding Mixture No. 40	LB	149.000	149.000
0174	630.0200	Seeding Temporary	LB	40.000	40.000
0176	630.0500	Seed Water	MGAL	92.000	92.000
0178	633.5200	Markers Culvert End	EACH	5.000	5.000
0180	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	32.000	32.000
0182	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	25.000	25.000
0184	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	4.000	4.000
0186	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	4.000	4.000
0188	637.2210	Signs Type II Reflective H	SF	234.480	234.480
0190	637.2220	Signs Type II Reflective SH	SF	13.260	13.260
0192	637.2230	Signs Type II Reflective F	SF	55.260	55.260
0194	638.2102	Moving Signs Type II	EACH	20.000	20.000
0196	638.2602	Removing Signs Type II	EACH	87.000	87.000

Estimate Of Quantities

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Line	Item	Item Description	Unit	Total	Qty
0198	638.3000	Removing Small Sign Supports	EACH	74.000	74.000
0200	638.4000	Moving Small Sign Supports	EACH	20.000	20.000
0202	642.5201	Field Office Type C	EACH	1.000	1.000
0204	643.0300	Traffic Control Drums	DAY	42,100.000	42,100.000
0206	643.0420	Traffic Control Barricades Type III	DAY	4,880.000	4,880.000
0208	643.0705	Traffic Control Warning Lights Type A	DAY	7,710.000	7,710.000
0210	643.0715	Traffic Control Warning Lights Type C	DAY	8,100.000	8,100.000
0212	643.0900	Traffic Control Signs	DAY	12,585.000	12,585.000
0214	643.1000	Traffic Control Signs Fixed Message	SF	36.000	36.000
0216	643.3165	Temporary Marking Line Paint 6-Inch	LF	16,039.000	16,039.000
0218	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	15,231.000	15,231.000
0220	643.5000	Traffic Control	EACH	1.000	1.000
0222	644.1410	Temporary Pedestrian Surface Asphalt	SF	1,930.000	1,930.000
0224	644.1440	Temporary Pedestrian Surface Matting	SF	1,100.000	1,100.000
0226	644.1601	Temporary Pedestrian Curb Ramp	DAY	485.000	485.000
0228	644.1605	Temporary Pedestrian Detectable Warning Field	SF	110.000	110.000
0230	644.1810	Temporary Pedestrian Barricade	LF	1,850.000	1,850.000
0232	645.0120	Geotextile Type HR	SY	119.000	119.000
0234	646.2020	Marking Line Epoxy 6-Inch	LF	12,659.000	12,659.000
0236	646.6120	Marking Stop Line Epoxy 18-Inch	LF	20.000	20.000
0238	646.6466	Cold Weather Marking Epoxy 6-Inch	LF	3,500.000	3,500.000
0240	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	730.000	730.000
0242	646.7520	Marking Crosswalk Epoxy Block Style 24-Inch	LF	64.000	64.000
0244	646.9000	Marking Removal Line 4-Inch	LF	1,670.000	1,670.000
0246	650.4000	Construction Staking Storm Sewer	EACH	65.000	65.000
0248	650.4500	Construction Staking Subgrade	LF	10,873.000	10,873.000
0250	650.5000	Construction Staking Base	LF	10,873.000	10,873.000
0252	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	6,299.000	6,299.000
0254	650.6000	Construction Staking Pipe Culverts	EACH	1.000	1.000
0256	650.8501	Construction Staking Electrical Installations (project) 01. 1602-10-71	EACH	1.000	1.000
0258	650.9000	Construction Staking Curb Ramps	EACH	33.000	33.000
0260	650.9500	Construction Staking Sidewalk (project) 01. 1602-10-71	EACH	1.000	1.000
0262	650.9911	Construction Staking Supplemental Control (project) 01. 1602-10-71	EACH	1.000	1.000
0264	650.9920	Construction Staking Slope Stakes	LF	10,164.000	10,164.000
0266	652.0335	Conduit Rigid Nonmetallic Schedule 80 3-Inch	LF	179.000	179.000
0268	653.0154	Pull Boxes Non-Conductive 24x36-Inch	EACH	5.000	5.000
0270	690.0150	Sawing Asphalt	LF	5,275.000	5,275.000
0272	690.0250	Sawing Concrete	LF	6,585.000	6,585.000
0274	740.0440	Incentive IRI Ride	DOL	2,570.000	2,570.000
0276	SPV.0030	Special 01. Fertilizer For Lawn Type Turf	CWT	4.800	4.800
0278	SPV.0060	Special 01. Adjusting Water Valve Boxes	EACH	14.000	14.000
0280	SPV.0060	Special 02. Adjusting Sanitary Sewer Manhole Covers	EACH	10.000	10.000
0282	SPV.0060	Special 03. Adjusting Fire Hydrants	EACH	1.000	1.000
0284	SPV.0060	Special 04. Adjusting Water Service Curb Stops	EACH	10.000	10.000
0286	SPV.0060	Special 05. Catch Basins 7-FT Diameter	EACH	1.000	1.000
0288	SPV.0060	Special 06. Temporary Storm Sewer Connection	EACH	8.000	8.000
0290	SPV.0060	Special 07. Connecting To Existing Pipe	EACH	4.000	4.000
0292	SPV.0060	Special 08. Inlet Covers Type Driveway Special	EACH	4.000	4.000
0294	SPV.0060	Special 09. Remove and Salvage Flashing Beacon Assembly STA 894+95 RT	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0296	SPV.0060	Special 10. Remove and Salvage Flashing Beacon Assembly STA 901+87 LT	EACH	1.000	1.000
0298	SPV.0060	Special 11. Removing Existing Casting	EACH	7.000	7.000
0300	SPV.0060	Special 12. Shuttle Service	EACH	1.000	1.000
0302	SPV.0060	Special 13. Utility Line Opening	EACH	8.000	8.000
0304	SPV.0090	Special 01. Ditch Cleaning	LF	200.000	200.000
0306	SPV.0120	Special 01. Management Of Contaminated Ground Water	MGAL	10.000	10.000
0308	SPV.0170	Special 01. Trimming Trees	STA	3.000	3.000
0310	SPV.0180	Special 01. Preparing Topsoil For Lawn Type Turf	SY	7,295.000	7,295.000
0312	SPV.0195	Special 01. Salvaged Asphaltic Pavement Base	TON	4,144.000	4,144.000

REMOVALS

STATION	TO	STATION	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	204.0245.01 REMOVING STORM SEWER 01. (8-INCH)	204.0245.02 REMOVING STORM SEWER 02. (10-INCH) LF	204.0245.03 REMOVING STORM SEWER 03. (12-INCH) LF	204.0245.04 REMOVING STORM SEWER 04. (18-INCH) LF	SPV.0060.11 SPECIAL (11. REMOVING EXISTING CASTING) EACH	REMARKS
881+30	-	914+53	PROJECT	--	--	--	2,610	576	--	--	--	2,610	--	--	--	--	7	
			STAGE 1 SUBTOTAL 0010	0	0	0	2,610	576	0	0	0	2,610	0	0	0	0	7	
881+30	-	914+53	PROJECT	1	10,391	--	2,510	900	1	8	473	3,620	32	10	210	2,120	--	
			STAGE 2 SUBTOTAL 0010	1	10,391	0	2,510	900	1	8	473	3,620	32	10	210	2,120	0	
881+30	-	914+53	PROJECT	--	6,845	--	--	--	--	7	476	367	38	--	130	--	--	
879+35	-	916+65	PROJECT	--	--	1,414	--	--	--	--	3650	--	--	--	--	--	--	REMOVE TEMPORARY ASPHALT
			STAGE 3 SUBTOTAL 0010	0	6,845	1,414	0	0	0	7	4,126	367	38	0	130	0	0	
877+12	-	917+94	PROJECT	--	--	547	--	--	--	--	676	--	--	--	--	--	--	REMOVE TEMPORARY ASPHALT
			STAGE 4 SUBTOTAL 0010	0	0	547	0	0	0	0	676	0	0	0	0	0	0	
			PROJECT TOTAL 0010	**1**	**17,236**	**1,961**	**5,120**	**1,476**	**1**	**15**	**5,275**	**6,585**	**70**	**10**	**340**	**2,120**	**7**	

CONCRETE

STATION	TO	STATION	LOCATION	602.0810 CONCRETE DRIVEWAY 6-INCH SY	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF
880+65	-	914+53	PROJECT	510	2,890	79	50	10,618	160	--
			STAGE 2 TOTAL 0010	510	2,890	79	50	10,618	160	0
880+65	-	914+53	PROJECT	380	3,330	--	29	5,780	100	22
			STAGE 3 TOTAL 0010	380	3,330	0	29	5,780	100	22
			SUBTOTAL CATEGORY 0010	890	6,220	79	79	16,398	260	22
880+65	-	888+83	RT	334	--	--	--	2,525	20	--
			STAGE 3 TOTAL 0020	334	0	0	0	2,525	20	0
			SUBTOTAL CATEGORY 0020	334	0	0	0	2,525	20	0
			PROJECT TOTAL	**1,224**	**6,220**	**79**	**79**	**18,923**	**280**	**22**

CONTAMINATION ITEMS

STATION	TO	STATION	LOCATION	205.0501.S EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL TON	SPV.0120.01 SPECIAL (01. MANAGEMENT OF CONTAMINATED GROUND WATER) MGAL
887+70	-	894+90	PROJECT	1,500	10
			PROJECT TOTAL 0010	**1,500**	**10**

CLEARING AND GRUBBING

STATION	TO	STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA	SPV.0170.01 SPECIAL (01. TRIMMING TREES) STA
897+97	-	899+62	RT	---	---	3
913+88	-	914+40	LT	2	2	---
			TOTAL 0010	**2**	**2**	**3**

EXCAVATION

STATION	TO	STATION	LOCATION	205.0100 EXCAVATION COMMON CY	(1)UNUSABLE MATERIAL CY	UNEXPANDED FILL CY	(2) EXPANDED FILL CY	(3) MASS ORDINATE (+/-) CY
879+50	-	916+50	WIDENING	1,430	119	34	43	1,268
			STAGE 1 SUBTOTAL 0010	1,430				
879+50	-	916+50	MAINLINE	8,150	4,182	161	201	3,767
877+86	-	881+30	WIDENING	102	0	0	0	102
914+04	-	917+95	WIDENING	89	0	0	0	89
			CLINIC ST	80	31	13	16	33
			COLE ST W	53	17	0	0	36
			RUMMEL ST W	79	20	0	0	59
			OWANO ST W	94	20	0	0	74
			ELCHO ST W	77	16	0	0	61
			ENTERPRISE LAKE RD	72	19	1	1	52
			BLUEBIRD LN	48	11	0	0	37
			BLUEBIRD ALLEY	45	30	0	0	15
			STAGE 2 SUBTOTAL 0010	8,889				
879+50	-	916+50	MAINLINE	4,470	2,657	231	289	1,524
			COLE ST E	81	20	0	0	61
			RUMMEL ST E	101	26	0	0	75
			OWANO ST E	83	21	0	0	62
			ELCHO ST E	68	21	0	0	47
			STAGE 3 SUBTOTAL 0010	4,803				
			PROJECT TOTAL 0010	**15,122**				

(1) EXISTING ASPHALT AND CONCRETE IS ASSUMED TO BE UNUSABLE MATERIAL
(2) EXPANDEDN FILL FACTOR = 1.25
(3) THE MASS ORDINATE + OR - QUANTITY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION.
MINUS QUANTITY INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

3

BASE AGGREGATE

STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	624.0100 WATER MGAL	SPV.0195.01 SPECIAL (01. SALVAGED ASPHALTIC PAVEMENT BASE) TON
			TEMPORARY ASPHALT	--	2,050	29	--
			STAGE 1 SUBTOTAL 0010	0	2,050	29	0
881+50	-	914+53	MAINLINE	--	5,700	80	2,330
881+50	-	914+53	SIDEROADS	--	740	11	--
889+25	-	892+75	PARKING LANES	--	117	2	47
			SIDEWALK	--	330	5	--
			CONCRETE DRIVEWAYS	--	123	2	--
			ASPHALT DRIVEWAYS	--	54	1	--
			GRAVEL DRIVEWAYS	31	-	1	--
			GRAVEL SHOULDER	120	--	2	36
			TEMPORARY ASPHALT	--	350	5	--
			UNDISTRIBUTED	20	710	10	250
			STAGE 2 SUBTOTAL 0010	171	8,124	119	2,663
881+50	-	914+53	MAINLINE	--	3,130	44	1,290
881+50	-	914+53	SIDEROADS	--	430	6	--
881+50	-	914+53	SIDEWALK	--	230	3	--
889+25	-	892+75	PARKING LANES	--	95	1	38
			CONCRETE DRIVEWAYS	--	104	1	--
			ASPHALT DRIVEWAYS	--	40	1	--
			GRAVEL DRIVEWAYS	13	--	1	--
			GRAVEL SHOULDER	40	--	1	13
			UNDISTRIBUTED	10	410	6	140
			STAGE 3 SUBTOTAL 0010	63	4,439	64	1,482
			GRAVEL DRIVEWAYS	4	--	1	--
			GRAVEL SHOULDERS	170	--	1	--
			STAGE 4 SUBTOTAL 0010	173	0	2	0
			SUBTOTAL CATEGORY 0010	407	14,613	214	4,144
881+60	-	888+83	SIDEWALK	--	180	1	--
			UNDISTRIBUTED	--	20	1	--
			STAGE 3 SUBTOTAL 0020	0	200	2	0
			SUBTOTAL CATEGORY 0020	0	200	2	0
			PROJECT TOTAL	**407**	**14,813**	**216**	**4,144**

3

ASPHALT PAVING

STATION	TO	STATION	LOCATION	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6444 HMA PAVEMENT 4 MT 58-34 H TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON
879+35		916+65	WIDENING	--	--	--	--	--	700
			STAGE 1 TOTAL 0010	0	0	0	0	0	700
880+65	-	914+53	MAINLINE	--	1,030	2,183	849	--	-
889+25	-	892+75	PARKING LANES	--	25	52	20	--	--
			PROJECT	--	--	--	--	--	115
			DRIVEWAYS	--	--	--	--	40	--
			STAGE 2 TOTAL 0010	0	1,055	2,236	869	40	115
880+65	-	914+53	MAINLINE	2,391	812	1,721	669	--	--
889+25	-	892+75	PARKING LANES	59	20	43	17	--	--
			DRIVEWAYS	--	--	--	--	33	--
			STAGE 3 TOTAL 0010	2,450	833	1,764	686	33	0
			PROJECT TOTAL 0010	**2,450**	**1,888**	**4,000**	**1,555**	**73**	**815**

ASPHALTIC FLUMES

STATION	LOCATION	465.0315 ASPHALTIC FLUMES SY	REMARKS
881+75	LT	9	CLINIC ST
882+30	LT	9	CLINIC ST
913+12	LT	7	BLUEBIRD ALLEY
	TOTAL 0010	**25**	

3

STAGE 2

STORM SEWER STRUCTURES

STRUCTURE	STATION	OFFSET	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH EACH	633.5200 MARKERS CULVERT END EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH	REMARKS
1.1	881+45	31.0' LT	1	--	--	1	1	STAGE 2
1.4	881+81	44.9' LT	--	--	1	1	1	STAGE 2
1.5	882+21	45.6' LT	--	--	1	1	1	STAGE 2
1.6	885+85	34.0' LT	--	--	1	1	1	STAGE 2
5.6	914+14	64.3' LT	--	1	--	1	1	STAGE 2
		TOTAL 0010	1	1	3	5	5	

*ADDITIONAL QUANTITIES ELSEWHERE

STAGE 2

INLET COVERS

STRUCTURE	STATION**	OFFSET**	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	* 611.0654 INLET COVERS TYPE V EACH	SPV.0060.08 INLET COVERS TYPE DRIVEWAY SPECIAL EACH
1.7	886+08	17.5' LT	--	1	--	--	--	--
2.1	888+25	17.5' LT	--	--	--	--	--	1
2.3	888+74	23.3' LT	--	1	--	--	--	--
2.4	889+14	23.8' LT	--	1	--	--	--	--
2.5	889+60	23.5' LT	--	--	--	--	--	1
2.5A	890+88	23.5' LT	--	--	1	--	--	--
2.9	892+41	23.5' LT	--	1	--	--	--	--
2.10	893+40	17.5' LT	1	--	--	--	--	--
2.11	893+29	40.9' LT	--	1	--	--	--	--
2.12	892+94	35.3' LT	--	1	--	--	--	--
3.1	895+75	17.5' LT	--	1	--	--	--	--
3.3	896+56	17.5' LT	1	--	--	--	--	--
3.5	896+56	34.3' LT	--	1	--	--	--	--
3.6	896+89	33.6' LT	--	1	--	--	--	--
3.7	897+15	17.5' LT	--	1	--	--	--	--
3.10	898+20	17.5' LT	--	1	--	--	--	--
3.12	899+25	17.5' LT	--	1	--	--	--	--
3.14	900+02	17.5' LT	1	--	--	--	--	--
3.16	900+01	33.6' LT	--	1	--	--	--	--
3.17	899+94	37.5' LT	1	--	--	--	--	--
3.18	900+48	19.8' LT	--	1	--	--	--	--
3.20	901+46	17.5' LT	--	1	--	--	--	--
3.21	901+46	45.0' LT	--	--	--	1	--	--
4.1	902+57	21.4' LT	--	1	--	--	--	--
4.5	903+19	19.8' LT	--	1	--	--	--	--
4.7	906+07	17.5' LT	--	1	--	--	--	--
4.9	906+61	19.3' LT	--	1	--	--	--	--
4.11	908+75	17.5' LT	--	--	--	--	--	1
5.1	911+00	17.5' LT	--	--	1	--	--	--
5.3	912+68	17.5' LT	--	1	--	--	--	--
5.5	913+20	25.6' LT	--	1	--	--	--	--
		STAGE 2 TOTAL 0010	4	21	2	1	0	3

*ADDITIONAL QUANTITIES ELSEWHERE

**STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

3

			STAGE 3 INLET COVERS					
			611.0530	611.0624	611.0639	611.0642	611.0654 *	SPV.0060.08
STRUCTURE	STATION**	OFFSET**	MANHOLE COVERS TYPE J EACH	INLET COVERS TYPE H EACH	INLET COVERS TYPE H-S EACH	INLET COVERS TYPE MS EACH	INLET COVERS TYPE V EACH	INLET COVERS TYPE DRIVEWAY SPECIAL EACH
1.2	881+45	17.5' RT	--	1	--	--	--	--
1.3	882+38	17.5' RT	--	--	1	--	--	--
1.8	886+09	17.5' RT	--	1	--	--	--	--
2.2	888+25	17.5' RT	--	--	1	--	--	--
2.2A	887+53	35.0' RT	--	--	--	--	1	--
2.6	889+40	17.5' RT	--	1	--	--	--	--
2.7	890+09	23.5' RT	--	1	--	--	--	--
2.7A	890+75	23.5' RT	--	--	1	--	--	--
2.8	892+33	23.5' RT	--	1	--	--	--	--
2.13	893+40	28.5' RT	--	1	--	--	--	--
2.14	893+48	28.8' RT	1	--	--	--	--	--
2.15	892+85	27.6' RT	--	1	--	--	--	--
3.2	895+75	17.5' RT	--	1	--	--	--	--
3.4	896+43	19.6' RT	--	1	--	--	--	--
3.8	897+06	17.5' RT	--	1	--	--	--	--
3.9	896+87	30.0' RT	--	1	--	--	--	--
3.11	898+20	17.5' RT	--	1	--	--	--	--
3.13	899+25	17.5' RT	--	1	--	--	--	--
3.15	899+94	17.5' RT	--	1	--	--	--	--
3.19	900+62	19.8' RT	--	1	--	--	--	--
4.2	902+64	17.5' RT	--	1	--	--	--	--
4.3	902+30	17.5' RT	--	1	--	--	--	--
4.4	902+87	17.5' RT	--	--	--	--	--	1
4.6	903+28	17.5' RT	--	1	--	--	--	--
4.8	906+07	17.5' RT	--	1	--	--	--	--
4.10	906+77	17.5' RT	--	1	--	--	--	--
4.12	908+75	17.5' RT	--	1	--	--	--	--
5.2	911+00	17.5' RT	--	--	1	--	--	--
5.4	912+68	17.5' RT	--	1	--	--	--	--
		STAGE 3 TOTAL 0010	1	22	4	0	1	1
		PROJECT TOTAL 0010	**5**	**43**	**6**	**1**	**1**	**4**

*ADDITIONAL QUANTITIES ELSEWHERE
**STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

3

STAGE 2

STORM SEWER STRUCTURES

STRUCTURE	STATION**	OFFSET**	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1005 CATCH BASINS 5-FT DIAMETER EACH	611.1006 CATCH BASINS 6-FT DIAMETER EACH	SPV.0060.05 SPECIAL (05. CATCH BASINS 7-FT DIAMETER) EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3220 INLETS 2X2-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH
1.7	886+08	17.5' LT	--	1	--	--	--	--	--	--	--	--	--	1
2.1	888+25	17.5' LT	--	1	--	--	--	--	--	--	--	--	--	1
2.3	888+74	23.3' LT	--	1	--	--	--	--	--	--	--	--	--	1
2.4	889+14	23.8' LT	--	--	--	1	--	--	--	--	--	--	--	1
2.5	889+60	23.5' LT	--	1	--	--	--	--	--	--	--	--	--	1
2.5A	890+88	23.5' LT	--	1	--	--	--	--	--	--	--	--	--	1
2.9	892+41	23.5' LT	--	--	1	--	--	--	--	--	--	--	--	1
2.10	893+40	17.5' LT	--	--	--	--	--	--	--	--	1	--	--	1
2.11	893+29	40.9' LT	1	--	--	--	--	--	--	--	--	--	--	1
2.12	892+94	35.3' LT	--	--	--	--	1	--	--	--	--	--	--	1
3.1	895+75	17.5' LT	--	1	--	--	--	--	--	--	--	--	--	1
3.3	896+56	17.5' LT	--	--	--	--	--	--	--	--	1	--	--	1
3.5	896+56	34.3' LT	1	--	--	--	--	--	--	--	--	--	--	1
3.6	896+89	33.6' LT	--	--	--	--	1	--	--	--	--	--	--	1
3.7	897+15	17.5' LT	--	--	1	--	--	--	--	--	--	--	--	1
3.10	898+20	17.5' LT	--	1	--	--	--	--	--	--	--	--	--	1
3.12	899+25	17.5' LT	--	1	--	--	--	--	--	--	--	--	--	1
3.14	900+02	17.5' LT	--	--	--	--	--	--	--	1	--	--	--	1
3.16	900+01	33.6' LT	--	--	--	--	1	--	--	--	--	--	--	1
3.17	899+94	37.5' LT	--	--	--	--	--	1	--	--	--	--	--	1
3.18	900+48	19.8' LT	--	1	--	--	--	--	--	--	--	--	--	1
3.20	901+46	17.5' LT	1	--	--	--	--	--	--	--	--	--	--	1
3.21	901+46	45.0' LT	--	--	--	--	--	--	--	--	--	--	1	1
4.1	902+57	21.4' LT	--	1	--	--	--	--	--	--	--	--	--	1
4.5	903+19	19.8' LT	1	--	--	--	--	--	--	--	--	--	--	1
4.7	906+07	17.5' LT	1	--	--	--	--	--	--	--	--	--	--	1
4.9	906+61	19.3' LT	1	--	--	--	--	--	--	--	--	--	--	1
4.11	908+75	17.5' LT	1	--	--	--	--	--	--	--	--	--	--	1
5.1	911+00	17.5' LT	1	--	--	--	--	--	--	--	--	--	--	1
5.3	912+68	17.5' LT	1	--	--	--	--	--	--	--	--	--	--	1
5.5	913+20	25.6' LT	1	--	--	--	--	--	--	--	--	--	--	1
		STAGE 2 TOTAL 0010	10	10	2	1	3	1	0	1	2	0	1	31

*ADDITIONAL QUANTITIES ELSEWHERE

**STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

3

STAGE 3
STORM SEWER STRUCTURES

STRUCTURE	STATION**	OFFSET**	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1005 CATCH BASINS 5-FT DIAMETER EACH	611.1006 CATCH BASINS 6-FT DIAMETER EACH	SPV.0060.05 SPECIAL (05. CATCH BASINS 7-FT DIAMETER) EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3220 INLETS 2X2-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	* 650.4000 CONSTRUCTION STAKING STORM SEWER EACH
1.2	881+45	17.5' RT	--	--	--	--	1	--	--	--	--	--	--	1
1.3	882+38	17.5' RT	--	--	--	--	1	--	--	--	--	--	--	1
1.8	886+09	17.5' RT	--	--	--	--	1	--	--	--	--	--	--	1
2.2	888+25	17.5' RT	--	--	--	--	1	--	--	--	--	--	--	1
2.2A	887+53	35.0' RT	--	--	--	--	--	--	--	--	--	1	--	1
2.6	889+40	17.5' RT	1	--	--	--	--	--	--	--	--	--	--	1
2.7	890+09	23.5' RT	--	--	--	--	1	--	--	--	--	--	--	1
2.7A	890+75	23.5' RT	--	--	--	--	1	--	--	--	--	--	--	1
2.8	892+33	23.5' RT	--	--	--	--	1	--	--	--	--	--	--	1
2.13	893+40	28.5' RT	--	1	--	--	--	--	--	--	--	--	--	1
2.14	893+48	28.8' RT	--	--	--	--	--	--	1	--	--	--	--	1
2.15	892+85	27.6' RT	--	--	--	--	1	--	--	--	--	--	--	1
3.2	895+75	17.5' RT	--	--	--	--	1	--	--	--	--	--	--	1
3.4	896+43	19.6' RT	--	--	--	--	1	--	--	--	--	--	--	1
3.8	897+06	17.5' RT	1	--	--	--	--	--	--	--	--	--	--	1
3.9	896+87	30.0' RT	--	--	--	--	1	--	--	--	--	--	--	1
3.11	898+20	17.5' RT	--	--	--	--	1	--	--	--	--	--	--	1
3.13	899+25	17.5' RT	--	--	--	--	1	--	--	--	--	--	--	1
3.15	899+94	17.5' RT	--	--	--	--	1	--	--	--	--	--	--	1
3.19	900+62	19.8' RT	--	--	--	--	1	--	--	--	--	--	--	1
4.2	902+64	17.5' RT	1	--	--	--	--	--	--	--	--	--	--	1
4.3	902+30	17.5' RT	--	--	--	--	1	--	--	--	--	--	--	1
4.4	902+87	17.5' RT	--	--	--	--	1	--	--	--	--	--	--	1
4.6	903+28	17.5' RT	--	--	--	--	1	--	--	--	--	--	--	1
4.8	906+07	17.5' RT	--	--	--	--	1	--	--	--	--	--	--	1
4.10	906+77	17.5' RT	--	--	--	--	1	--	--	--	--	--	--	1
4.12	908+75	17.5' RT	--	--	--	--	1	--	--	--	--	--	--	1
5.2	911+00	17.5' RT	--	--	--	--	1	--	--	--	--	--	--	1
5.4	912+68	17.5' RT	--	--	--	--	1	--	--	--	--	--	--	1
		STAGE 3 TOTAL 0010	3	1	0	0	23	0	1	0	0	1	0	29
		PROJECT TOTAL 0010	**13**	**11**	**2**	**1**	**26**	**1**	**1**	**1**	**2**	**1**	**1**	**60**

*ADDITIONAL QUANTITIES ELSEWHERE
**STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

STAGE 2

STORM SEWER PIPES

FROM	-	TO	522.0436 CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0427 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 27-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF
1.1	-	1.2	--	--	--	--	--	38	--	--	--	--
1.4	-	1.5	40	--	--	--	--	--	--	--	--	--
1.6	-	1.7	--	--	--	--	--	--	--	--	--	30
1.7	-	1.8	--	--	--	--	24	--	--	--	--	--
1.7	-	2.1	--	--	--	--	--	--	--	--	--	217
2.1	-	2.2	--	--	--	--	24	--	--	--	--	--
2.1	-	2.3	--	--	--	--	--	--	--	--	--	50
2.3	-	2.4	--	--	--	--	--	--	--	--	--	40
2.4	-	2.5	--	--	--	--	--	--	--	--	--	46
2.4	-	2.6	--	--	--	--	35	--	--	--	--	--
2.9	-	2.8	--	--	--	--	30	--	--	--	--	--
2.5	-	2.5A	--	--	--	--	--	--	--	--	--	128
2.5A	-	2.9	--	--	--	--	--	--	--	--	--	153
2.9	-	2.10	--	--	--	--	--	--	--	--	--	99
2.11	-	2.10	--	--	--	26	--	--	--	--	--	--
2.11	-	2.12	--	--	--	35	--	--	--	--	--	--
2.10	-	2.13	--	--	--	--	--	24	--	--	--	--
2.10	-	3.1	--	--	--	--	--	--	--	--	--	235
3.2	-	3.1	--	--	--	24	--	--	--	--	--	--
3.1	-	3.3	--	--	--	--	--	--	--	--	--	81
3.3	-	3.4	--	--	--	--	25	--	--	--	--	--
3.5	-	3.3	--	--	--	17	--	--	--	--	--	--
3.6	-	3.5	--	--	--	34	--	--	--	--	--	--
3.3	-	3.7	--	--	--	--	--	--	--	--	--	59
3.7	-	3.8	--	--	--	--	24	--	--	--	--	--
3.7	-	3.10	--	--	--	--	--	--	--	--	105	--
3.11	-	3.10	--	--	--	24	--	--	--	--	--	--
3.10	-	3.12	--	--	--	--	--	--	--	--	105	--
3.13	-	3.12	--	--	--	24	--	--	--	--	--	--
3.12	-	3.14	--	--	--	--	--	--	--	77	--	--
3.14	-	3.15	--	--	--	--	24	--	--	--	--	--
3.16	-	3.14	--	--	--	16	--	--	--	--	--	--
3.17	-	3.16	--	--	--	8	--	--	--	--	--	--
3.14	-	3.18	--	--	--	--	--	--	--	46	--	--
3.18	-	3.19	--	--	--	--	27	--	--	--	--	--
3.18	-	3.20	--	--	--	--	--	--	98	--	--	--
3.20	-	4.1	--	--	--	--	--	--	111	--	--	--
4.1	-	4.2	--	--	--	--	28	--	--	--	--	--
4.1	-	EXISTING	--	--	--	15	--	--	--	--	--	--
4.1	-	4.5	--	--	--	--	--	61	--	--	--	--
4.5	-	4.6	--	--	--	27	--	--	--	--	--	--
4.9	-	4.7	--	--	--	54	--	--	--	--	--	--
4.7	-	4.8	--	--	--	24	--	--	--	--	--	--
4.11	-	4.9	--	--	--	--	--	214	--	--	--	--
4.9	-	4.10	--	--	--	28	--	--	--	--	--	--
5.1	-	4.11	--	--	225	--	--	--	--	--	--	--
4.12	-	4.11	--	--	--	24	--	--	--	--	--	--
5.3	-	5.1	--	--	168	--	--	--	--	--	--	--
5.1	-	5.2	--	24	--	--	--	--	--	--	--	--
5.5	-	5.3	--	--	51	--	--	--	--	--	--	--
5.3	-	5.4	--	24	--	--	--	--	--	--	--	--
5.6	-	5.5	--	--	102	--	--	--	--	--	--	--
STAGE 2 TOTAL 0010			40	48	546	380	241	337	209	123	210	1,138

3

STAGE 3
STORM SEWER PIPES

FROM	-	TO	522.0436 CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0427 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 27-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF
1.1	-	1.2	--	--	--	--	--	11	--	--	--	--
1.3	-	1.2	--	--	--	93	--	--	--	--	--	--
1.7	-	1.8	--	--	--	--	11	--	--	--	--	--
2.1	-	2.2	--	--	--	--	11	--	--	--	--	--
2.4	-	2.6	--	--	--	--	14	--	--	--	--	--
2.6	-	2.7	--	--	--	--	69	--	--	--	--	--
2.7	-	2.7A	--	--	--	--	66	--	--	--	--	--
2.9	-	2.8	--	--	--	--	18	--	--	--	--	--
2.10	-	2.13	--	--	--	--	--	22	--	--	--	--
2.13	-	2.14	--	--	--	8	--	--	--	--	--	--
2.13	-	2.15	--	--	--	55	--	--	--	--	--	--
3.2	-	3.1	--	--	--	11	--	--	--	--	--	--
3.3	-	3.4	--	--	--	--	14	--	--	--	--	--
3.7	-	3.8	--	--	--	--	12	--	--	--	--	--
3.9	-	3.8	--	--	--	23	--	--	--	--	--	--
3.11	-	3.10	--	--	--	11	--	--	--	--	--	--
3.13	-	3.12	--	--	--	11	--	--	--	--	--	--
3.14	-	3.15	--	--	--	--	12	--	--	--	--	--
3.18	-	3.19	--	--	--	--	15	--	--	--	--	--
4.1	-	4.2	--	--	--	--	11	--	--	--	--	--
4.2	-	4.3	--	--	--	23	--	--	--	--	--	--
4.2	-	4.4	--	--	--	24	--	--	--	--	--	--
4.5	-	4.6	--	--	--	12	--	--	--	--	--	--
4.7	-	4.8	--	--	--	11	--	--	--	--	--	--
4.9	-	4.10	--	--	--	12	--	--	--	--	--	--
4.12	-	4.11	--	--	--	11	--	--	--	--	--	--
5.1	-	5.2	--	11	--	--	--	--	--	--	--	--
5.3	-	5.4	--	11	--	--	--	--	--	--	--	--
STAGE 3 TOTAL 0010			0	22	0	305	253	33	0	0	0	0
PROJECT TOTAL 0010			**40**	**70**	**546**	**685**	**494**	**370**	**209**	**123**	**210**	**1,138**

3

STORM SEWER PIPES CONTINUTED

FROM	-	TO	520.8000 CONCRETE COLLARS FOR PIPE EACH	608.6008 STORM SEWER PIPE COMPOSITE 8-INCH LF	608.6012 STORM SEWER PIPE COMPOSITE 12-INCH LF	612.0106 PIPE UNDERDRAIN 6-INCH LF	612.0902.S.01 INSULATION BOARD POLYSTYRENE 2-INCH SY	SPV.0060.07 SPECIAL (07. CONNECTING TO EXISTING PIPE) EACH	REMARKS
887+64	-	2.1	--	--	--	90		--	STAGE 2 TEMPORARY CONNECTION
2.4	-	2.5	--	--	--	--	4	--	STAGE 2
2.4	-	2.6	--	--	--	--	8	--	STAGE 2
3.3	-	3.7	--	--	--	--	4	--	STAGE 2
3.5	-	3.6	--	--	--	--	4	--	STAGE 2
3.17	-	EXISTING	--	--	--	3	--	1	STAGE 2
3.21	-	3.20	--	--	28	--	--	--	STAGE 2
4.1	-	EXISTING	1	--	--	--	--	1	STAGE 2
4.1	-	4.5	--	--	--	--	4	--	STAGE 2
4.7	-	4.9	--	--	--	--	4	--	STAGE 2
5.3	-	5.5	--	--	--	--	4	--	STAGE 2
5.5	-	5.6	--	--	--	--	8	--	STAGE 2
		STAGE 2 TOTAL 0010	1	0	28	93	40	1	
2.2A	-	2.2	--	--	74	--	--	--	STAGE 3
2.6	-	EXISTING	1	7	--	--	--	1	STAGE 3
2.14	-	EXISTING	--	--	--	3	--	1	STAGE 3
4.6	-	EXISTING	--	--	--	6	--	1	STAGE 3
		STAGE 3 TOTAL 0010	1	7	74	9	0	3	
		PROJECT TOTAL 0010	**2**	**7**	**102**	**102**	**40**	**4**	

FINISHING ITEMS

STATION	TO	STATION	LOCATION	625.0100 TOPSOIL SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7560 TRACKING PADS EACH	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL	SPV.0030.01 SPECIAL (01. FERTILIZER FOR LAWN TYPE TURF) CWT	SPV.0180.01 SPECIAL (01. PREPARING TOPSOIL FOR LAWN TYPE TURF) SY
879+25	-	914+53	RT	790	790	--	--	7	7	--	15	4	9	--	--
			UNDISTRIBUTED	80	80	--	--	1	1	--	2	1	1	--	--
			STAGE 1 TOTAL 0010	870	870	0	0	8	8	0	17	5	10	0	0
879+25	-	914+53	LT	3,695	3,105	590	25	--	25	4	67	17	42	2.4	3,695
			UNDISTRIBUTED	370	310	60	3	--	3	--	7	2	4	0	370
			STAGE 2 TOTAL 0010	4,065	3,415	650	28	0	28	4	74	19	46	3	4,065
879+25	-	914+53	RT	2,930	2,930	--	26	--	26	4	53	14	33	1.9	2,930
			UNDISTRIBUTED	300	300	--	3	--	3	--	5	2	3	0	300
			STAGE 3 TOTAL 0010	3,230	3,230	0	29	0	29	4	58	16	36	2	3,230
			PROJECT TOTAL 0010	**8,165**	**7,515**	**650**	**57**	**8**	**65**	**8**	**149**	**40**	**92**	**4.8**	**7,295**

EROSION CONTROL

STATION	TO	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH
880+50	-	914+53	LT	650	650	--	--	120	6	---
880+50	-	914+53	RT	730	730	--	--	---	---	40
			UNDISTRIBUTED	220	220	6	3	100	30	10
			PROJECT TOTAL 0010	**1,600**	**1,600**	**6**	**3**	**220**	**36**	**50**

RIPRAP

LOCATION	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE TYPE HR SY
881+45	5	16
881+84	7	21
882+18	7	21
885+74	7	21
913+12	7	21
914+19	6	19
PROJECT TOTAL 0010	**39**	**119**

3

SIGNS

SIGN NO.	STATION	LOCATION	SIGN CODE	SIZE IN X IN	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH
1-01	880+72	RT	---	---	---	---	---	---	--	---	---	---	1	1	---
1-02	881+15	LT	J4-2	48 X 36	---	1	---	---	12.00	---	---	---	1	1	---
1-03	881+82	LT	R1-1	30 X 30	1	---	---	---	5.18	---	---	---	1	1	---
1-04	882+60	RT	---	---	---	---	---	---	---	---	---	---	1	1	---
1-05	884+04	RT	---	---	---	---	---	---	---	---	---	---	1	1	---
1-06	884+94	LT	I55-56P	30 X 18	1	---	---	---	3.75	---	---	---	1	---	---
1-06	884+94	LT	I55-56P	30 X18	---	---	---	---	3.75	---	---	---	1	1	---
1-07	886+91	RT	---	---	---	---	---	---	---	---	---	---	1	1	---
1-08	887+25	LT	R2-1	24 X 30	1	---	---	---	5.00	---	---	---	1	1	---
1-09	887+80	RT	R2-1	24 X 30	1	---	---	---	5.00	---	---	---	1	1	---
1-10	888+66	RT	---	---	---	---	---	---	---	---	---	---	1	1	---
1-11	888+74	LT	R1-1	30 X 30	1	---	---	---	5.18	---	---	---	1	1	---
1-12	889+26	RT	R1-1	30 X 30	1	---	---	---	5.18	---	---	---	1	1	---
1-13	889+42	RT	J1-1	24 X 39	1	---	---	---	6.50	---	---	---	1	1	---
1-14	889+92	RT	---	---	---	---	---	---	---	---	---	---	1	1	---
1-15	891+53	RT	D1-1	48 X 12	2	---	---	---	4.00	---	---	---	1	2	---
1-16	891+83	RT	---	---	---	---	---	---	---	---	---	---	2	1	---
1-17	892+16	RT	S1-1	36 X 36	---	1	---	---	--	---	6.75	---	1	1	---
1-17	892+16	RT	S16-9P	24 X 12	1	---	---	---	---	---	2.00	---	1	---	---
1-18	892+50	LT	---	---	---	---	---	---	---	---	---	---	1	1	---
1-19	892+67	RT	J12-1	24 X 45	---	1	---	---	7.50	---	---	---	1	1	---
1-20	892+90	LT	R1-1	30 X 30	1	---	---	---	5.18	---	---	---	1	1	---
1-21	893+33	LT	---	---	---	---	---	---	---	---	---	--	---	---	---
1-22	893+37	RT	R1-1	30 X 30	1	---	---	---	5.18	---	---	---	1	1	---
1-23	893+39	LT	J12-2	48 X 45	---	2	---	---	15.00	---	---	---	---	---	---
1-24	893+43	LT	---	---	---	---	---	---	---	---	---	---	1	1	---
1-25	893+43	LT	J12-1	24 X 45	---	1	---	---	7.50	---	---	---	1	1	---
2-01	894+07	LT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-02	894+75	LT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-03	894+90	RT	---	---	---	---	---	---	---	---	---	---	2	1	---
2-04	894+96	RT	S4-51	24 X 48	---	1	---	---	---	6.63	1.38	---	1	1	---
2-05	895+02	LT	D1-1	48 X 12	2	---	---	---	4.00	---	---	---	1	1	---
2-06	895+43	LT	R2-1	24 X 30	1	---	---	---	5.00	---	---	---	1	1	---
2-07	895+98	RT	---	---	---	---	---	---	---	---	---	---	2	1	---
2-08	896+04	LT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-09	896+27	LT	J1-1	24 X 39	1	---	---	---	6.50	---	---	---	1	1	---
2-10	896+38	RT	S1-1	36 X 36	---	1	---	---	---	---	6.75	---	1	1	---
2-10	896+38	RT	S16-7L	24 X 12	---	---	---	---	---	---	2.00	---	1	---	---
2-11	896+45	LT	S1-1	36 X 36	---	1	---	---	---	---	6.75	---	---	---	---
2-11	896+45	LT	S16-7L	24 X 12	---	---	---	---	---	---	2.00	---	---	---	---
2-12	896+50	LT	R6-2R	24 X 30	1	---	---	---	5.00	---	---	---	1	1	---
2-13	896+50	RT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-14	896+93	RT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-15	896+93	RT	R1-1	30 X 30	1	---	---	---	5.18	---	---	---	1	1	---
			PAGE TOTAL 0010		18	9	0	0	121.58	6.63	27.63	0	43	38	0

3

SIGNS CONTINUED

SIGN NO.	STATION	LOCATION	SIGN CODE	SIZE IN X IN	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	634.0814 POSTS TUBULAR STEEL 2X2-INCH X 14-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH
2-16	896+98	LT	R6-2L	24 X 30	1	---	---	---	5.00	---	---	---	1	1	---
2-17	897+04	LT	---	---	---	---	---	---	---	---	---	---	2	1	---
2-18	897+07	RT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-19	897+14	LT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-20	898+25	RT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-21	898+52	LT	J1-1	24 X 39	1	---	---	---	6.50	---	---	---	---	---	---
2-22	898+57	LT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-23	899+60	RT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-24	899+63	LT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-25	899+77	LT	S1-1	36 X 36	---	1	---	---	---	---	6.75	---	--	---	---
2-25	899+77	LT	S16-7L	24 X 12	---	---	---	---	---	---	2.00	---	--	---	---
2-26	899+92	RT	S1-1	36 X 36	---	1	---	---	---	---	6.75	---	1	1	---
2-26	899+92	RT	S16-7L	24 X 12	---	---	---	---	---	---	2.00	---	1	---	---
2-27	900+13	RT	R1-1	30 X 30	1	---	---	---	5.18	---	---	---	1	1	---
2-28	900+53	RT	R1-1	30 X 30	1	---	---	---	5.18	---	---	---	1	1	---
2-29	900+88	LT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-30	901+46	LT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-31	901+54	RT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-32	901+88	LT	S4-51	24 X 48	---	1	---	---	---	6.63	1.38	---	1	1	---
2-33	902+53	LT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-34	902+59	RT	D1-3	48 X 30	---	2	---	---	10.00	---	---	---	2	1	---
2-35	902+66	LT	R1-1	30 X 30	1	---	---	---	5.18	---	---	---	1	1	---
2-36	903+04	RT	D1-4	48 X 42	---	2	---	---	14.00	---	---	---	2	1	---
2-37	903+04	RT	D1-4	48 X 42	---	---	---	---	14.00	---	---	---	---	---	---
2-38	903+98	RT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-39	904+38	LT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-40	905+92	LT	D1-3	48 X 30	---	2	---	---	10.00	---	---	---	2	1	---
2-41	906+13	RT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-42	906+15	LT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-43	906+24	LT	R1-1	30 X 30	1	---	---	---	5.18	---	---	---	1	1	---
2-44	906+72	LT	S1-1	36 X 36	---	1	---	---	---	---	6.75	---	1	1	---
2-44	906+72	LT	S16-9P	24 X 12	---	---	---	---	---	---	2.00	---	1	---	---
2-45	908+04	RT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-46	908+05	LT	---	---	---	---	---	---	---	---	---	---	1	1	---
2-47	908+30	LT	R2-1	24 X 30	1	---	---	---	5.00	---	---	---	1	1	---
2-48	908+73	RT	R2-1	24 X 30	1	---	---	---	5.00	---	---	---	1	1	---
3-01	910+01	RT	---	---	---	---	---	---	---	---	---	---	1	1	---
3-02	912+63	RT	---	---	---	---	---	---	---	---	---	---	1	1	---
3-03	912+60	LT	---	---	---	---	---	---	---	---	---	---	1	1	---
3-04	912+85	LT	R1-1	30 X 30	1	---	---	---	5.18	---	---	---	1	1	---
3-05	913+95	RT	D1-1	96 X 15	---	---	2	---	10.00	---	---	---	2	1	---
3-07	914+51	RT	I55-56P	30 X 18	---	1	---	---	3.75	---	---	---	1	1	---
3-07	914+51	RT	I55-56P	30 X 18	---	---	---	---	3.75	---	---	---	1	---	---
			UNDISTRIBUTED		5	5	2	4	---	---	---	20	---	---	20
			PAGE TOTAL 0010		14	16	4	4	112.90	6.63	27.63	20	44	36	20
			PROJECT TOTAL 0010		**32**	**25**	**4**	**4**	**234.48**	**13.26**	**55.26**	**20**	**87**	**74**	**20**

3

TRAFFIC CONTROL

STATION	TO	STATION	LOCATION	643.0300 TRAFFIC CONTROL DRUMS EACH	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0900 TRAFFIC CONTROL SIGNS EACH	643.0900 TRAFFIC CONTROL SIGNS DAY	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	DURATION
880+65	-	914+53	PROJECT	--	--	--	--	--	--	--		--	--	36	7 DAYS
880+65	-	914+53	STAGE 1	150	2,250	2	30	4	60	--	--	31	465	--	15 DAYS
880+65	-	914+53	STAGE 2	250	18,750	42	3,150	74	5,550	84	6,300	82	6,150	--	75 DAYS
880+65	-	914+53	STAGE 3	260	19,500	20	1,500	24	1,800	20	1,500	70	5,250	--	75 DAYS
881+30	-	914+53	STAGE 4	60	600	--	--	--	--	--	--	22	220	--	10 DAYS
			UNDISTRIBUTED	--	1,000	--	200	--	300	--	300	--	500	--	
			PROJECT TOTAL 0010		**42,100**		**4,880**		**7,710**		**8,100**		**12,585**	**36**	

PEDESTRIAN ACCOMMODATIONS

STATION	TO	STATION	LOCATION	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1440 TEMPORARY PEDESTRIAN SURFACE MATTING SF	644.1605 TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD SF	DURATION
880+65	-	914+53	STAGE 1	15	300	150	300	40	15 DAYS
880+65	-	914+53	STAGE 2	225	800	800	300	30	75 DAYS
880+65	-	914+53	STAGE 3	225	550	830	200	30	75 DAYS
			UNDISTRIBUTED	20	200	150	300	10	
			TOTAL 0010	**485**	**1,850**	**1,930**	**1,100**	**110**	

PAVEMENT MARKINGS

STATION	TO	STATION	LOCATION	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6466 COLD WEATHER MARKING EPOXY 6-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.7520 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH LF	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.2020 MARKING LINE EPOXY 6-INCH LF	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH LF	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH LF
880+50	-	914+53	PROJECT	--	--	--	--	385	--	492	--
			STAGE 1 TOTAL 0010	0	0	0	0	385	0	0	0
879+08	-	916+73	PROJECT	--	--	--	--	225	--	--	16,039
			STAGE 2 TOTAL 0010	0	0	0	0	225	0	0	16,039
877+77	-	918+00	PROJECT	20	2,000	--	--	1,060	--	15,231	--
			STAGE 3 TOTAL 0010	20	2,000	0	0	1,060	0	15,231	0
877+77	-	918+00	PROJECT	--	1,500	730	64	--	12,659	--	--
			STAGE 4 TOTAL 0010	0	1,500	730	64	0	12,659	0	0
			PROJECT TOTAL 0010	**20**	**3,500**	**730**	**64**	**1,670**	**12,659**	**15,231**	**16,039**

ELECTRICAL

STATION	LOCATION	652.0335 CONDUIT RIGID NONMETALLIC SCHEDULE 80 3-INCH LF	653.0154 PULL BOXES NON-CONDUCTIVE 24X36-INCH EACH	650.8501 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) (01. 1602-10-71) EACH	REMARKS
				--	
896+20.5	21.5' RT	--	1	--	PB1
896+20.5	21.5' LT	--	1	--	PB2
897+13.4	21.5' LT	--	1	--	PB3
899+71.4	21.5' RT	--	1	--	PB4
899+71.4	21.5' LT	--	1	--	PB5
	PB1 - PB2	43	--	--	
	PB2 - PB3	93	--	--	
	PB4 - PB5	43	--	--	
	PROJECT	--	--	1	
	TOTAL 0010	**179**	**5**	**1**	

CONSTRUCTION STAKING

STATION	TO	STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	650.9500 CONSTRUCTION STAKING SIDEWALK (PROJECT) (01. 1602-10-71) EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	650.9911 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (01. 1602-10-71) EA
880+65	-	914+53	PROJECT	3,388	3,388	--	--	--	--	3,388	1
			STAGE 1 TOTAL 0010	3,388	3,388	0	0	0	0.0	3,388	1
880+65	-	914+53	PROJECT	3,856	3,856	2,969	1	18	0.5	3,388	--
			STAGE 2 TOTAL 0010	3,856	3,856	2,969	1	18	0.5	3,388	0
880+65	-	914+53	PROJECT	3,629	3,629	3,330	--	13	0.5	3,388	--
			STAGE 3 TOTAL 0010	3,629	3,629	3,330	0	13	0.5	3,388	0
			SUBTOTAL CATEGORY 0010	10,873	10,873	6,299	1	31	1	10,164	1
880+65	-	888+83	RT	--	--	--	--	2	--	--	--
			STAGE 2 TOTAL 0020	0	0	0	0	2	0	0	0
			SUBTOTAL CATEGORY 0020	0	0	0	0	2	0	0	0
			PROJECT TOTAL	**10,873**	**10,873**	**6,299**	**1**	**33**	**1**	**10,164**	**1**

STAGE 1 INLETS

STATION**	LOCATION**	611.0430 RECONSTRUCTING INLETS EACH	* 611.0654 INLET COVERS TYPE V EACH	REMARKS
886+09	23' RT	1	1	STAGE 1
889+36	23' RT	1	1	STAGE 1
893+47	23' RT	1	1	STAGE 1
900+01	23' RT	1	1	STAGE 1
902+64	23' RT	1	1	STAGE 1
903+28	23' RT	1	1	STAGE 1
906+77	23' RT	1	1	STAGE 1
	TOTAL 0010	**7**	**7**	

*ADDITIONAL QUANTITIES ELSWHERE

**STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

3

LOCAL UTILITY ADJUSTMENT

STATION	LOCATION	SPV.0060.01 SPECIAL (01. ADJUSTING WATER VALVE BOXES) EACH	SPV.0060.02 SPECIAL (02. ADJUSTING SANITARY SEWER MANHOLE COVERS) EACH	SPV.0060.03 SPECIAL (03. ADJUSTING FIRE HYDRANTS) EACH	SPV.0060.04 SPECIAL (04. ADJUSTING WATER SERVICE CURB STOPS) EACH	REMARKS
889+23	RT	1	--	--	--	STAGE 1
889+24	RT	1	--	--	--	STAGE 1
906+48	RT	1	--	--	--	STAGE 1
	UNDISTRIBUTED	--	1	--	2	STAGE 1
	STAGE 1 TOTAL 0030	3	1	0	2	
899+22	LT	1	--	--	--	STAGE 2
900+29	LT	--	1	--	--	STAGE 2
902+86	LT	--	1	--	--	STAGE 2
906+46	LT	1	--	--	--	STAGE 2
913+10	LT	2	--	--	--	STAGE 2
913+23	LT	1	--	--	--	STAGE 2
913+30	LT	1	--	--	--	STAGE 2
	UNDISTRIBUTED	--	1	--	2	STAGE 2
	STAGE 2 TOTAL 0030	6	3	0	2	
881+75	RT	--	1	--	--	STAGE 3
884+83	RT	--	1	--	--	STAGE3
889+03	RT	--	1	--	--	STAGE 3
889+23	RT	1	--	--	--	STAGE 3
889+24	RT	1	--	--	--	STAGE 3
889+52	RT	--	--	--	1	STAGE 3
900+31	RT	--	1	--	--	STAGE 3
902+84	RT	1	--	--	--	STAGE 3
902+90	RT	--	1	--	--	STAGE 3
903+60	RT	1	--	1	--	STAGE 3
903+67	RT	--	--	--	1	STAGE 3
904+12	RT	--	--	--	1	STAGE 3
904+30	RT	--	--	--	1	STAGE 3
904+52	RT	--	1	--	--	STAGE 3
906+09	RT	--	--	--	1	STAGE 3
906+48	RT	1	--	--	--	STAGE 3
912+91	RT	--	--	--	1	STAGE 3
	STAGE 3 TOTAL 0030	5	6	1	6	
	PROJECT TOTAL 0030	**14**	**10**	**1**	**10**	

TEMPORARY STORM SEWER CONNECTIONS

STATION	LOCATION	SPV.0060.06 SPECIAL (06. TEMPORARY STORM SEWER CONNECTION) EACH	ELEVATION	* TEMPORARY PIPE LF	EXISTING PIPE	REMARKS
886+09	6' RT	1	1626.50	--	12" RCCP	STAGE 2
887+64	6' RT	1	1626.60	**	8" PVC	STAGE 2
889+36	6' RT	1	1626.55	3	12" RCCP	STAGE 2
893+47	6' RT	1	1627.23	7	12" RCCP	STAGE 2
900+01	6' RT	1	1628.03	5	12" RCCP	STAGE 2
902+61	6' RT	1	1628.35	--	12" RCCP	STAGE 2
903+26	6' RT	1	1628.52	2	8" PVC	STAGE 2
906+76	6' RT	1	1634.54	4	8" PVC	STAGE 2
	TOTAL 0010	**8**				

* INCIDENTAL TO SPV.0060.06 TEMPORARY STORM SEWER CONNECTION (FOR INFORMATION PURPOSES ONLY)

UTILITY LINE OPENING

STATION	LOCATION	SPV.0060.13 SPECIAL (13. UTILITY LINE OPENING) EACH
889+21	8.0' LT	1
889+21	23.5' LT	1
896+65	17.5' LT	1
896+65	34.0' LT	1
902+75	21.0' LT	1
906+47	18.5' LT	1
910+10	24.0' LT	1
910+50	36.0' LT	1
	TOTAL 0010	**8**

FLASHING BEACONS

STATION	LOCATION	SPV.0060.09 SPECIAL (09. REMOVE AND SALVAGE FLASHING BEACON ASSEMBLY STA 894+95 RT) EACH	SPV.0060.10 SPECIAL (10. REMOVE AND SALVAGE FLASHING BEACON ASSEMBLY STA 901+87 LT) EACH
894+95	RT	1	--
901+87	LT	--	1
	TOTAL 0010	**1**	**1**

SHUTTLE SERVICE

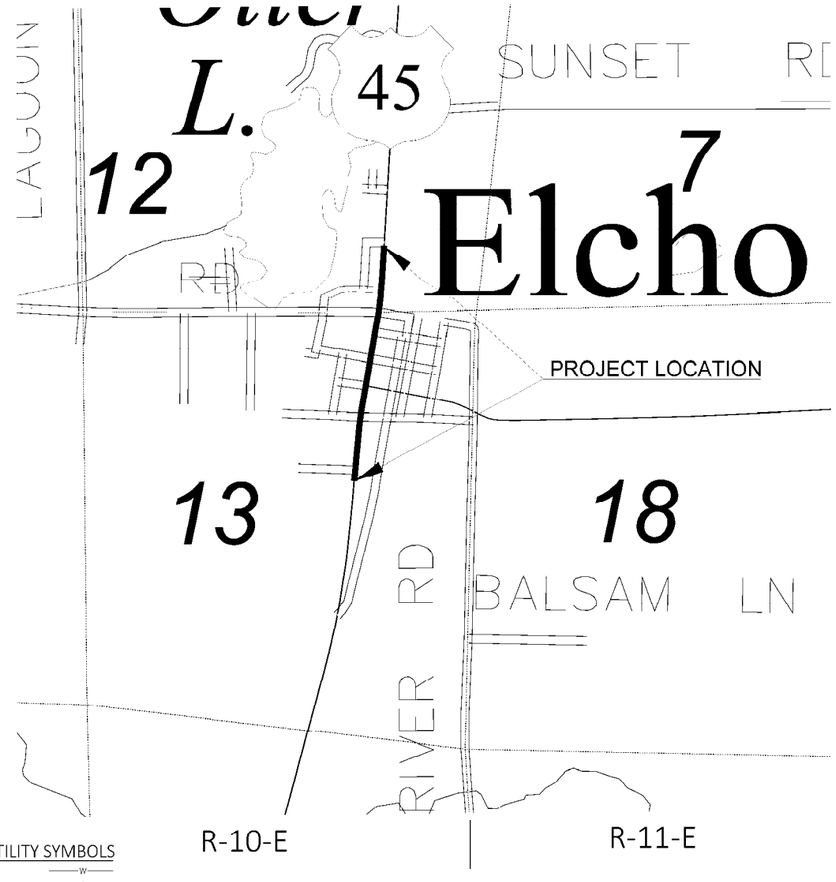
LOCATION	SPV.0060.12 SPECIAL (12. SHUTTLE SERVICE) EACH	REMARKS
PROJECT	1	STAGES 2 & 3
TOTAL 0010	**1**	

DITCH CLEANING

STATION	TO	STATION	LOCATION	SPV.0090.01 SPECIAL (01. DITCH CLEANING) LF
879+80	-	881+70	LT	200
			TOTAL 0010	**200**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
1602-10-21
TOWN OF ELCHO, ANTIGO STREET
CLINIC STREET TO OTTER LAKE LANE
USH 45
LANGLADE COUNTY





THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 1602-10-21

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), LANGLADE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, CENTERLINE OF EXISTING PAVEMENTS AND/OR EXISTING OCCUPATIONAL LINES.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLES) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

PROPERTY LINES SHOWN ON THIS PLAT FOR PROPERTIES BEING IMPACTED ARE DRAWN FROM DATA DERIVED FROM FILED/RECORDED MAPS AND DOCUMENTS OF PUBLIC RECORD. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

CONVENTIONAL SYMBOLS

- SECTION LINE
- QUARTER LINE
- SIXTEENTH LINE
- NEW REFERENCE LINE
- NEW R/W LINE
- EXISTING R/W OR HE LINE
- PROPERTY LINE (P.L.)
- LOT, TIE & OTHER MINOR LINES
- SLOPE INTERCEPT
- CORPORATE LIMITS
- UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) (W (TYPE))
- NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
- TEMPORARY LIMITED EASEMENT AREA
- EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
- TRANSMISSION STRUCTURES
- BUILDING — TO BE REMOVED
- BRIDGE — CULVERT
- SECTION CORNER SYMBOL
- SECTION CORNER MONUMENT
- GEODETIC SURVEY MONUMENT
- SIXTEENTH CORNER MONUMENT
- SIGN
- R/W MONUMENT (TO BE SET)
- NON-MONUMENTED R/W POINT
- FOUND IRON PIN (1-INCH UNLESS NOTED) IP
- OFF-PREMISE SIGN (VI 25)
- ELECTRIC POLE — COMPENSABLE / NON-COMPENSABLE
- TELEPHONE POLE
- PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)
- ACCESS RESTRICTED BY ACQUISITION
- NO ACCESS (BY STATUTORY AUTHORITY)
- ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
- NO ACCESS (NEW HIGHWAY)
- PARCEL NUMBER (25)
- UTILITY NUMBER (40)
- PARALLEL OFFSETS

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY	CO	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	SEPTIC VENT	SEPV
DISTANCE	DIST	SQUARE FEET	SF
CORNER	COR	STATE TRUNK HIGHWAY	STH
DOCUMENT NUMBER	DOC	STATION	STA
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ /DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

- WATER — W
- GAS — G
- TELEPHONE — T
- OVERHEAD TRANSMISSION LINES — OH
- ELECTRIC — E
- CABLE TELEVISION — TV
- FIBER OPTIC — FO
- SANITARY SEWER — SAN
- STORM SEWER — SS
- ELECTRIC TOWER

LAYOUT SCALE 0 1000 FT.

PROJECT NUMBER	1602-10-21 -4. 01
SHEET	2 OF 2
AMENDMENT NO:	96

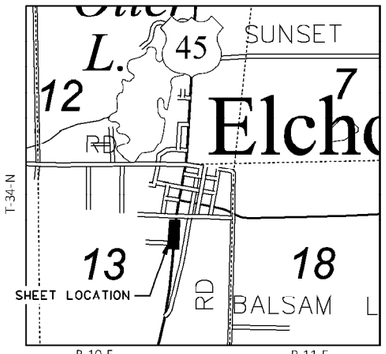
TRANSPORTATION PROJECT PLAT NO: 1602-10-21 - 4.01

THAT PART OF LOT 2 AND OUTLOT 1 OF CSM VOLUME 14, PAGE 35 BEING IN AND INCLUDING THE SOUTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 13, TOWNSHIP 34 NORTH, RANGE 10 EAST, TOWN OF ELCHO, LANGLADE COUNTY, WISCONSIN.

RELOCATION ORDER FOR USH 45, TOWN OF ELCHO, ANTIGO STREET, CLINIC STREET TO OTTER LAKE LANE, LANGLADE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



LOCATION MAP
(NOT TO SCALE)

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
1	ALTMAN & BUSSELL LLC. A NEW JERSEY LIMITED LIABILITY COMPANY	TLE	--	--	--	353
2	THEODORE M. STEINERT AND BONNIE S. STEINERT, HUSBAND AND WIFE AS THEIR SURVIVORSHIP MARITAL PROPERTY	TLE	--	--	--	513
3	BONNIE J. RETZA	TLE	--	--	--	320
4	BUILDER'S SERVICE INC., A WISCONSIN CORPORATION	TLE	--	--	--	571

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	PARCEL AFFECTED	INTEREST REQUIRED	EASEMENT
80	WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRICITY	1	RELEASE OF RIGHTS	DOC. 447410
81	ASTREA COMMUNICATIONS	2 & 3	RELEASE OF RIGHTS	NO EASEMENT OF RECORD

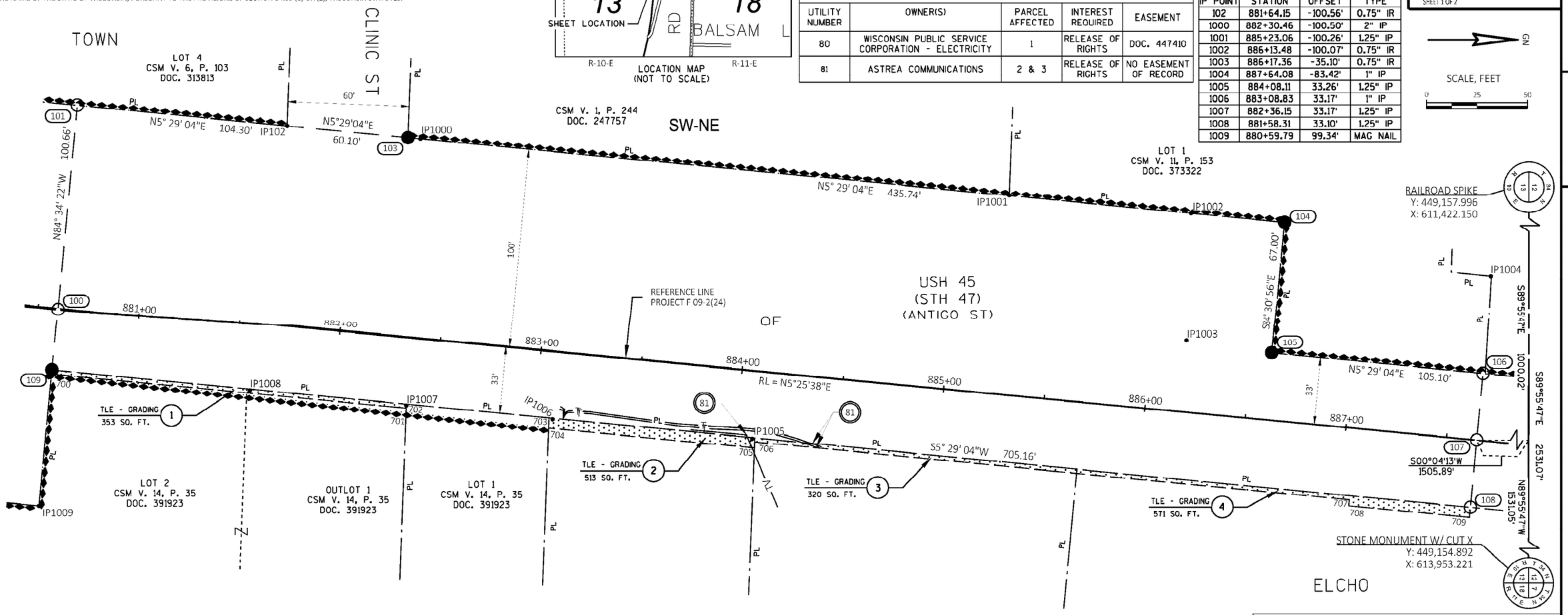
EXISTING MONUMENTS TABLE

IP POINT	STATION	OFFSET	TYPE
102	881+64.15	-100.56'	0.75" IR
1000	882+30.46	-100.50'	2" IP
1001	885+23.06	-100.26'	1.25" IP
1002	886+13.48	-100.07'	0.75" IR
1003	886+17.36	-35.10'	0.75" IR
1004	887+64.08	-83.42'	1" IP
1005	884+08.11	33.26'	1.25" IP
1006	883+08.83	33.17'	1" IP
1007	882+36.15	33.17'	1.25" IP
1008	881+58.31	33.10'	1.25" IP
1009	880+59.79	99.34'	MAG NAIL

DOCUMENT: 466193
LANGLADE COUNTY, WI
Recorded 11-02-2022 at 9:13 AM
Chet J. Haatvedt, Register of Deeds
Pages: 2 Fee Amount: $25.00

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RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1602-10-21 - 4.01
SHEET 1 OF 2



EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 45 ESTABLISHED FROM PREVIOUS PROJECT F 09-2(24); CSM V. 14, P. 35; CSM V. 6, P. 103; CSM V. 1, PG. 244; AND CSM V. 11, P. 153.

EXISTING HIGHWAY RIGHT-OF-WAY FOR CLINIC STREET ESTABLISHED FROM CSM V.6, P. 103.

EXISTING ACCESS CONTROL ALONG USH 45 ESTABLISHED PLAT OF RIGHT OF WAY PROJECT F 09-2(24).

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), LANGLADE COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN LANGLADE COUNTY, AS SHEET 2 OF 2 OF THIS DOCUMENT.

RL STA 886+59.89 =
STA 886+50, 0.07' LT
PROJECT F 09-2(24)

R/W COURSE TABLE

LINE	BEARING	DISTANCE
106-107	S84°34'22"E	32.96'
107-108	S84°34'22"E	33.04'
109-100	N84°34'22"W	32.34'

TLE POINT TABLE

TLE POINT	STATION	OFFSET
700	880+59.85	34.34'
701	882+36.23	34.51'
702	882+36.11	32.51'
703	883+07.04	32.58'
704	883+07.32	37.65'
705	884+09.66	37.64'
706	884+09.47	34.68'
707	887+05.02	34.98'
708	887+05.01	37.98'
709	887+65.01	38.04'

R/W POINT TABLE

RW POINT	STATION	OFFSET
100	880+59.86	0.00'
101	880+59.86	-100.66'
103	882+24.25	-100.50'
104	886+59.99	-100.07'
105	886+59.92	-33.07'
106	887+65.02	-32.96'
107	887+65.02	0.00'
108	887+65.02	33.04'
109	880+59.86	32.34'

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(608) 242-7779 www.msa-ps.com

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I, ERIC SCHOOT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN ERIC J. SCHOOT S-3149 STEVENS POINT WI LAND SURVEYOR

SIGNATURE: Eric J Schoot DATE: 11/1/22
PRINT NAME: ERIC SCHOOT
REGISTRATION NUMBER: S-3149-8

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Brent L Stella DATE: 11/02/22
PRINT NAME: BRENT STELLA

97

FILE NAME : G:\00\00093\00093668\CADD\RW\00093668_USH 45_ELCHO_TPP - RECOVERED WISDOT.DWG
APPRAISAL PLAT DATE : 11/1/2022
PLOT DATE : 11/2/2022 7:13 AM
PLOT BY : ERIC SCHOOT
PLOT NAME :
PLOT SCALE : 1 INCH = 25 FEET

TRANSPORTATION PROJECT PLAT NO: 1602-10-21 - 4.02

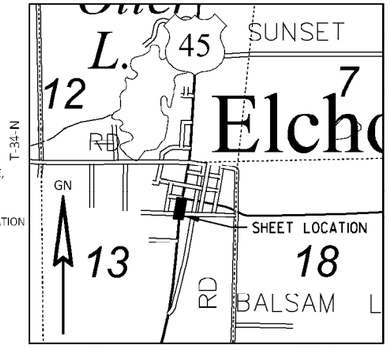
THAT PART OF LOTS 1 THROUGH 7 IN BLOCK 12, AND LOTS 1 THROUGH 4, 6, AND 7 IN BLOCK 11, ALL IN DORR'S ADDITION TO ELCHO; AND THAT PART OF LOT 1 OF CSM VOLUME 17, PAGE 162, DOCUMENT 433590; LOCATED IN THF NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 13, TOWNSHIP 34 NORTH, RANGE 10 EAST, TOWN OF ELCHO, LANGLADE COUNTY, WISCONSIN.

RELOCATION ORDER FOR USH 45, TOWN OF ELCHO, ANTIGO STREET, CLINIC STREET TO OTTER LAKE LANE, LANGLADE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT,

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



LOCATION MAP
(NOT TO SCALE)

SCHEDULE OF LANDS & INTERESTS REQUIRED

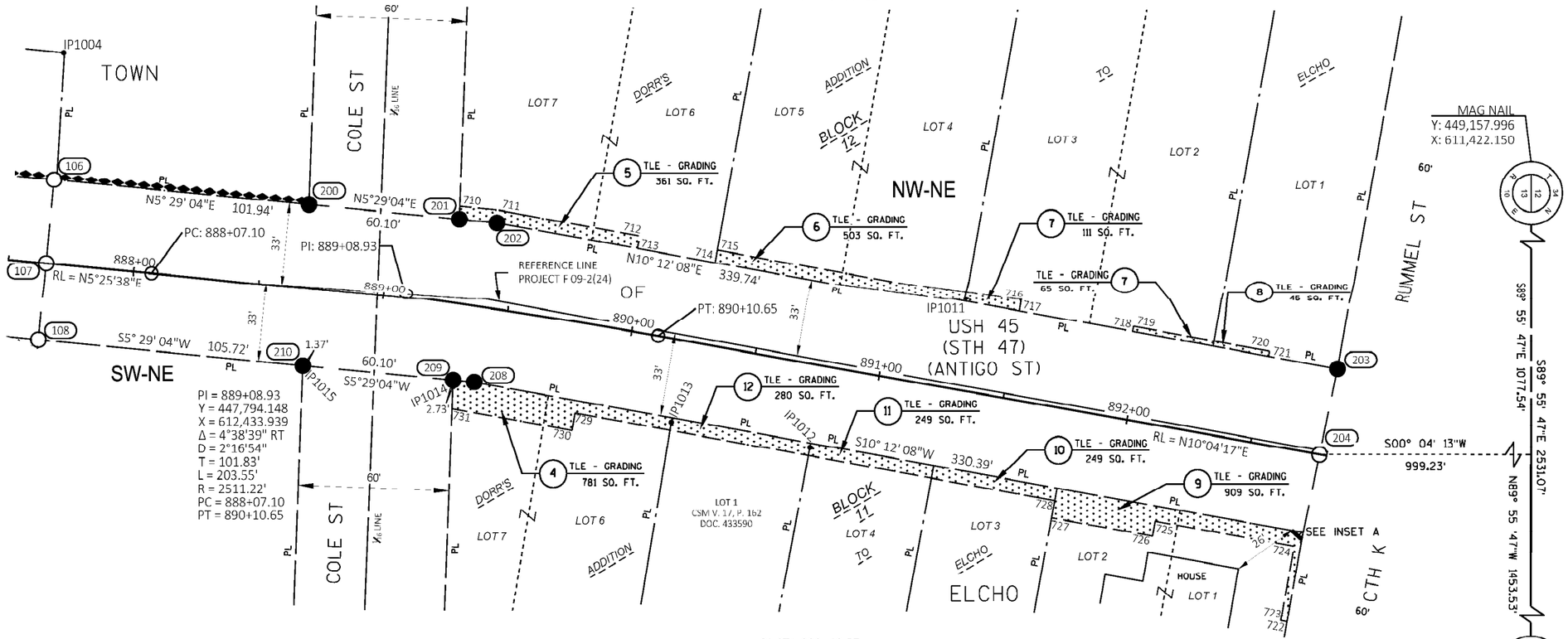
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
4	BUILDERS SERVICE INC., A WISCONSIN CORPORATION	TLE	--	--	--	781
5	GERALD M. SHUEY, A 10% INTEREST, AND STEPHEN MCCABE, A 90% INTEREST AS TENANTS IN COMMON	TLE	--	--	--	361
6	STEPHEN MCCABE, A 22% INTEREST, AND GERALD M. SHUEY, A 78% INTEREST, AS TENANTS IN COMMON	TLE	--	--	--	503
7	COZY COTTAGE CAFE & FIXINS' LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	--	--	--	176
8	CONNIE M. KAPLENSKI A/K/A CONSTANCE M. KAPLENSKI	TLE	--	--	--	45
9	STEPHEN MCCABE	FEE/TLE	6	--	6	909
10	TIMOTHY R. FULTZ	TLE	--	--	--	249
11	DAVID M. BUSCH	TLE	--	--	--	249
12	JAMES MULTHAUF AND LAUREL MULTHAUF, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	TLE	--	--	--	280

DOCUMENT: 466668
LANGLADE COUNTY, WI
Recorded 12-06-2022 at 9:12 AM
Chet J. Haatvedt, Register of Deeds
Pages: 1 Fee Amount: $25.00

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PROJECT NUMBER 1602-10-21 - 4.02

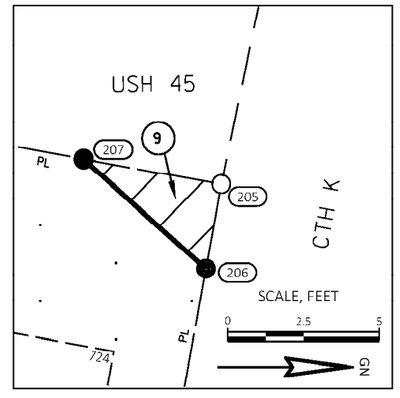


RL STA 889+40.57 =
STA 889+07.9, 3.34' LT
PROJECT F 09-2(24)

SCALE, FEET
0 25 50
GN

RW POINT	STATION	OFFSET
106	887+65.02	-32.96'
107	887+65.02	0.00'
108	887+65.02	33.04'
200	888+66.17	-33.56'
201	889+25.42	-35.63'
202	889+40.21	-36.36'
203	892+78.94	-34.59'
204	892+77.81	0.00'
205	892+76.78	31.41'
206	892+76.76	34.21'
207	892+72.16	31.40'
208	889+40.94	29.69'
209	889+32.39	30.12'
210	888+71.57	32.33'

INSET A



NOTES:

EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 45 ESTABLISHED FROM PREVIOUS PROJECT F 09-2(24); CSM V. 17, P. 162, DOC. 433590; THE PLAT OF DORR'S ADDITION TO ELCHO.

EXISTING HIGHWAY RIGHT-OF-WAY FOR COUNTY TRUNK HIGHWAY "K", COLE STREET, AND RUMMEL STREET ESTABLISHED FROM THE PLAT OF DORR'S ADDITION TO ELCHO.

EXISTING ACCESS CONTROL ALONG USH 45 ESTABLISHED FROM PLAT OF RIGHT OF WAY PROJECT F 09-2(24).

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), LANGLADE COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES. GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN LANGLADE COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #466193.

R/W COURSE TABLE		
LINE	BEARING	DISTANCE
108-107	N84° 34' 22"W	33.04'
107-106	N84° 34' 22"W	32.96'
201-202	N05° 29' 04"E	15.02'
203-204	S78° 02' 50"E	34.60'
204-205	S78° 02' 50"E	31.43'
205-206	S79° 34' 45"E	2.80'
206-207	S41° 30' 02"W	5.39'
208-209	S05° 29' 04"W	8.46'

EXISTING MONUMENTS TABLE			
IP POINT	STATION	OFFSET	TYPE
1004	887+64.08	-83.42'	1" IP
1011	891+28.66	-36.28'	1" IR
1012	890+77.79	32.72'	1" IP
1013	890+21.77	32.69'	1" IP
1014	889+32.69	32.83'	0.75" IR
1015	888+72.25	33.52'	1.25" IP

TLE POINT TABLE		
TLE POINT	STATION	OFFSET
710	889+24.91	-40.61'
711	889+40.16	-41.37'
712	889+96.36	-40.27'
713	889+96.21	-35.27'
714	890+27.45	-35.16'
715	890+27.47	-40.16'
716	891+50.26	-39.88'
717	891+50.27	-34.88'
718	891+96.10	-34.77'
719	891+96.10	-36.77'
720	892+51.05	-36.65'

TLE POINT TABLE		
TLE POINT	STATION	OFFSET
721	892+51.05	-34.65'
722	892+76.56	67.07'
723	892+74.06	67.03'
724	892+74.24	37.41'
725	892+18.00	37.28'
726	892+18.00	43.28'
727	891+77.19	43.18'
728	891+77.25	36.18'
729	889+83.00	35.59'
730	889+83.00	42.59'
731	889+33.63	41.67'

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I, ERIC SCHOOT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN ERIC J. SCHOOT S-3149 STEVENS POINT WI LAND SURVEYOR

SIGNATURE: Eric J Schoot DATE: 12/07/22
PRINT NAME: ERIC SCHOOT
REGISTRATION NUMBER: S-3149-8
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SIGNATURE: Brent L Stella DATE: 12/07/22
PRINT NAME: BRENT STELLA

FILE NAME : G:\00\00093\00093668\CADD\RW\00093668_USH 45_ELCHO_TPP - RECOVERED WISDOT_RECOVER.DWG
APPRAISAL PLAT DATE : 12/07/2022
PLOT DATE : 12/07/2022 11:28 AM PLOT BY : ERIC SCHOOT PLOT NAME : PLOT SCALE : 1 INCH = 25 FEET

1602-10-21 4.02

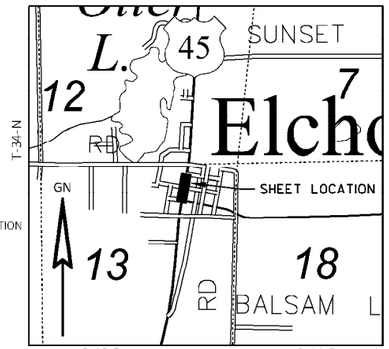
TRANSPORTATION PROJECT PLAT NO: 1602-10-21 - 4.03

THAT PART OF LOTS 3 THROUGH 6 IN BLOCK 9, LOTS 1 THROUGH 6 IN BLOCK 10, LOTS 1 THROUGH 3 IN BLOCK 13; LOTS 1 THROUGH 6 OF BLOCK 14, ALL IN DORR'S ADDITION TO ELCHO; THAT PART OF CSM VOLUME 1, PAGE 243, DOCUMENT 247756, AND THAT PART OF LOT 1 OF CSM VOLUME 19, PAGE 94, DOCUMENT 453883; ALL LOCATED IN THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 13, TOWNSHIP 34 NORTH, RANGE 10 EAST, TOWN OF ELCHO, LANGLADE COUNTY, WISCONSIN.

RELOCATION ORDER FOR USH 45, TOWN OF ELCHO, ANTIGO STREET, CLINIC STREET TO OTTER LAKE LANE, LANGLADE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



LOCATION MAP
(NOT TO SCALE)

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

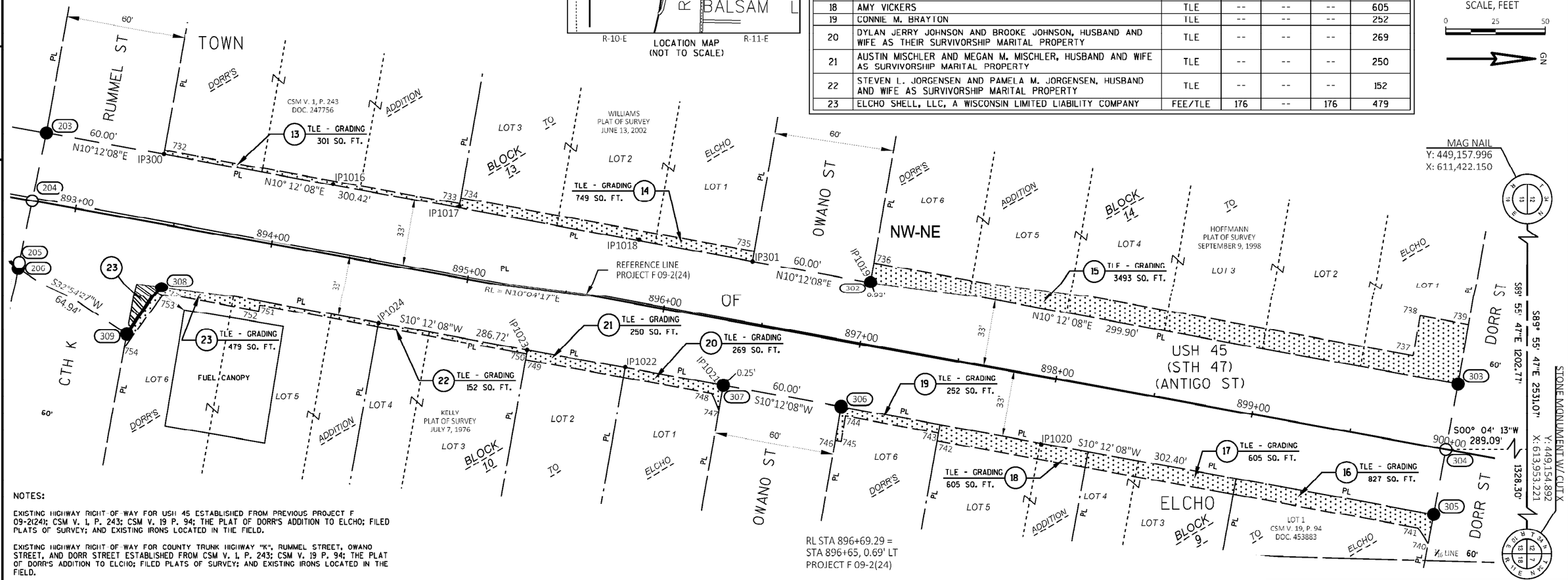
PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
13	KIRK C. FRANSKE AND DEBORAH L. HATFIELD FRANSKE, HUSBAND AND WIFE AS THEIR SURVIVORSHIP MARITAL PROPERTY	TLE	--	--	--	301
14	ARTHUR B. CEGIELSKI AND ELAINE J. CEGIELSKI, HIS WIFE, AS JOINT TENANTS	TLE	--	--	--	749
15	SCHOOL DISTRICT OF ELCHO, F/K/A THE BOARD OF SCHOOL DIRECTORS OF THE TOWN OF ELCHO	TLE	--	--	--	3493
16	JAMES PRECOURT AND MARA ELBIR, AS JOINT TENANTS WITH SURVIVORSHIP RIGHTS	TLE	--	--	--	827
17	KAPSKI INVESTMENTS, LLC, A WISCONSIN LIMITED LIABILITY COMPANY, AND THE LIFE ESTATE INTEREST OF CONSTANCE M. KAPLENSKI	TLE	--	--	--	605
18	AMY VICKERS	TLE	--	--	--	605
19	CONNIE M. BRAYTON	TLE	--	--	--	252
20	DYLAN JERRY JOHNSON AND BROOKE JOHNSON, HUSBAND AND WIFE AS THEIR SURVIVORSHIP MARITAL PROPERTY	TLE	--	--	--	269
21	AUSTIN MISCHLER AND MEGAN M. MISCHLER, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	TLE	--	--	--	250
22	STEVEN L. JORGENSEN AND PAMELA M. JORGENSEN, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	TLE	--	--	--	152
23	ELCHO SHELL, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	FEE/TLE	176	--	176	479

DOCUMENT: **466602**
LANGLADE COUNTY, WI
Recorded 12-02-2022 at 8:34 AM
Chet J. Haatvedt, Register of Deeds
Pages: 1 Fee Amount: $25.00

This document has been electronically recorded and returned to submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1602-10-21 - 4.03

SCALE, FEET
0 25 50
GN



NOTES:

EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 45 ESTABLISHED FROM PREVIOUS PROJECT F 09-2(24); CSM V. 1, P. 243; CSM V. 19 P. 94; THE PLAT OF DORR'S ADDITION TO ELCHO; FILED PLATS OF SURVEY; AND EXISTING IRONS LOCATED IN THE FIELD.

EXISTING HIGHWAY RIGHT-OF-WAY FOR COUNTY TRUNK HIGHWAY "K", RUMMEL STREET, OWANO STREET, AND DORR STREET ESTABLISHED FROM CSM V. 1, P. 243; CSM V. 19 P. 94; THE PLAT OF DORR'S ADDITION TO ELCHO; FILED PLATS OF SURVEY; AND EXISTING IRONS LOCATED IN THE FIELD.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), LANGLADE COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES. GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN LANGLADE COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #466193.

RL STA 896+69.29 =
STA 896+65, 0.69' LT
PROJECT F 09-2(24)

R/W COURSE TABLE		
LINE	BEARING	DISTANCE
204-203	N78° 02' 50"W	34.60'
303-304	S79° 17' 29"E	32.94'
304-305	S79° 17' 29"E	33.06'
308-309	S55° 12' 40"E	30.64'
206-205	N79° 34' 45"W	2.80'
205-204	N78° 02' 50"W	31.43'

TLE POINT TABLE			TLE POINT TABLE		
TLE POINT	STATION	OFFSET	TLE POINT	STATION	OFFSET
732	893+38.95	-36.44'	744	896+99.14	36.62'
733	894+89.58	-36.10'	745	896+99.15	49.21'
734	894+89.58	-39.10'	746	896+96.22	49.23'
735	896+39.36	-38.76'	747	896+36.19	44.84'
736	896+99.35	-43.63'	748	896+31.15	37.22'
737	899+74.52	-43.00'	749	895+36.13	37.00'
738	899+74.61	-63.00'	750	895+36.12	34.00'
739	899+99.25	-62.94'	751	893+99.92	33.69'
740	899+98.34	47.61'	752	893+99.92	36.69'
741	899+92.03	41.04'	753	893+51.49	36.58'
742	897+46.53	40.48'	754	893+36.57	66.18'
743	897+46.53	36.73'			

R/W POINT TABLE		
RW POINT	STATION	OFFSET
203	892+78.94	-34.59'
204	892+77.81	0.00'
205	892+76.78	31.41'
206	892+76.76	34.21'
IP300	893+38.94	-34.45'
IP301	896+39.36	-33.76'
302	896+99.36	-33.63'
303	899+99.27	-32.94'
304	899+98.90	0.00'
305	899+98.53	33.06'
306	896+96.14	32.37'
307	896+36.14	32.23'
308	893+49.42	31.58'
309	893+36.61	59.41'

EXISTING MONUMENTS TABLE			
IP POINT	STATION	OFFSET	TYPE
300	893+38.94	-34.45'	1.25" IP
301	896+39.36	-33.76'	1.25" IP
1016	894+25.17	-34.77'	1.25" IP
1017	894+89.59	-34.69'	3" IP
1018	895+81.39	-34.35'	1.25" IP
1019	897+00.06	-34.24'	1" IP
1020	897+98.37	33.14'	1.25" IP
1021	896+36.12	31.98'	2" IP
1022	895+86.06	31.95'	1" IP
1023	895+36.03	32.06'	2" IP
1024	894+60.23	32.09'	2" IP

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1702 Pankratz St Madison, WI 53704
(608) 242-7779 www.msa-ps.com

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I, ERIC SCHOOT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN ERIC J. SCHOOT S-3149 STEVENS POINT WI LAND SURVEYOR

SIGNATURE: Eric J Schoot DATE: 11/30/22
PRINT NAME: ERIC SCHOOT
REGISTRATION NUMBER: S-3149-S

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Brent L Stella DATE: 12/01/22
PRINT NAME: BRENT STELLA

FILE NAME : G:\00\00093\00093668\CADD\RW\00093668_USH 45_ELCHO_TPP - RECOVERED WISDOT_RECOVER.DWG
PLOT DATE : 11/30/2022 7:59 AM
PLOT BY : ERIC SCHOOT
PLOT NAME :
PLOT SCALE : 1 INCH = 25 FEET
APPRAISAL PLAT DATE : 11/30/2022

1602-10-21 4.03

TRANSPORTATION PROJECT PLAT NO: 1602-10-21 - 4.04
AMENDMENT NO: 1

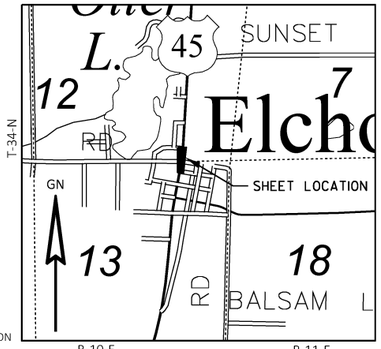
REMOVES UTILITY NO. 81 AND ADDS UTILITY NO. 83 TO TRANSPORTATION PROJECT PLAT 1602-10-21 - 4.04 RECORDED AS DOCUMENT NO. 466669

THAT PART OF LOTS 6 THROUGH 9 IN BLOCK 8 OF THE ORIGINAL PLAT OF ELCHO, LOCATED IN THE NORTHEAST QUARTER OF THE NORTHEAST QUARTER AND THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 13; THAT PART LOTS 1 THROUGH 4 IN BLOCK 15 OF DORR'S ADDITION TO ELCHO, LOCATED IN THE NORTHWEST QUARTER OF THE NORTHEAST QUARTER OF SECTION 13; THAT PART OF LOT 1 OF CSM VOLUME 16, PAGE 45, DOCUMENT 410731 AND THAT PART OF LOT 1 OF CSM VOLUME 2, PAGE 237, DOCUMENT 258375, LOCATED IN AND INCLUDING PART OF GOVERNMENT LOT 5 OF SECTION 12; ALL LOCATED IN TOWNSHIP 34 NORTH, RANGE 10 EAST, TOWN OF ELCHO, LANGLADE COUNTY, WISCONSIN.

RELOCATION ORDER FOR USH 45, TOWN OF ELCHO, ANTIGO STREET, CLINIC STREET TO OTTER LAKE LANE, LANGLADE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



LOCATION MAP
(NOT TO SCALE)

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	R/W SF REQUIRED			TLE SF	PLE SF
			NEW	EXISTING	TOTAL		
24	FELICIANO & FELICIANO, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	FEE/PLE/TLE	231	25	256	3801	261
25	ALAN J. ZOERN	FEE/TLE	61	461	522	642	
26	TRACY B. HAMPTON	TLE	--	--	--	710	
27	ELCHO UNITED CHURCH	TLE	--	--	--	582	

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	PARCEL AFFECTED	INTEREST REQUIRED	EASEMENT
82	WISCONSIN PUBLIC SERVICE CORPORATION - GAS/PETROLEUM	24	RELEASE OF RIGHTS	NO EASEMENT OF RECORD
83	FRONTIER COMMUNICATIONS	24, 25	RELEASE OF RIGHTS	NO EASEMENT OF RECORD

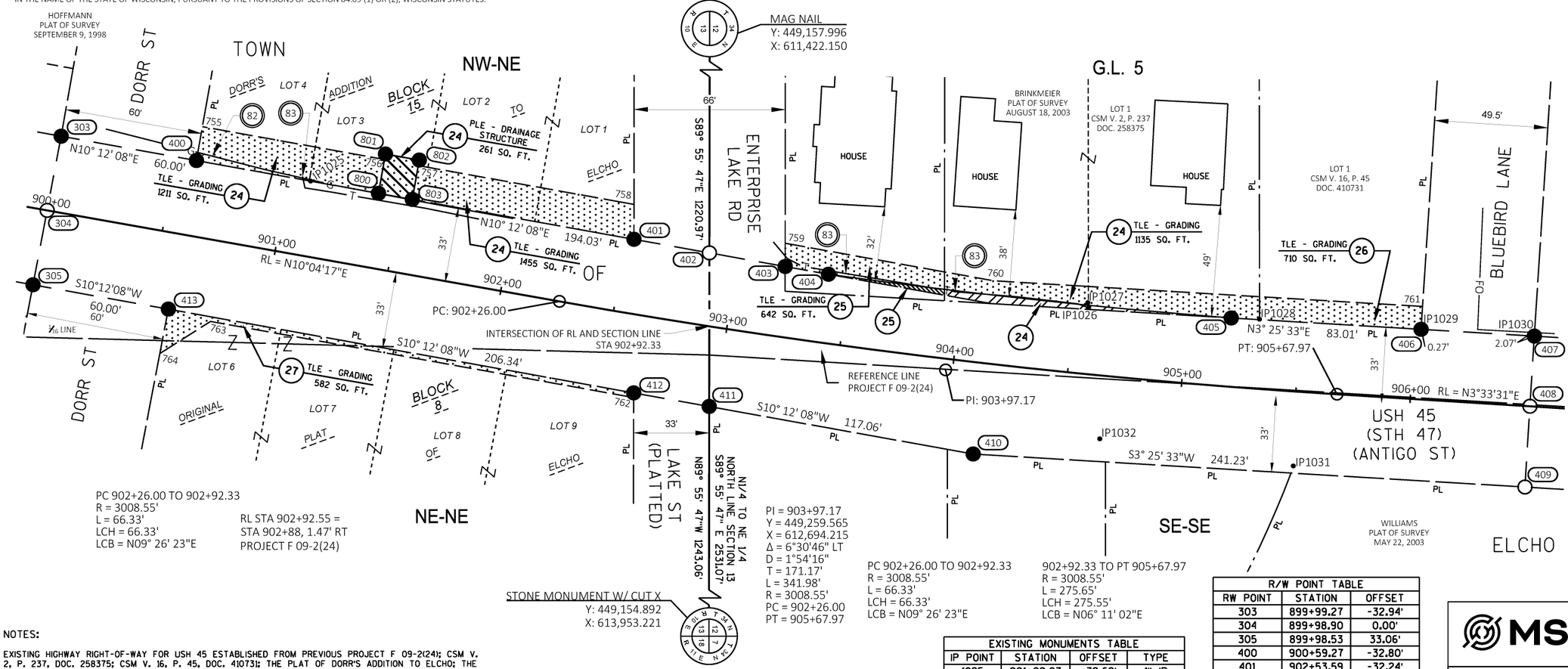
DOCUMENT: **472078**
LANGLADE COUNTY, WI
Recorded 04-12-2024 at 3:08 PM
Brenda Sue Mayr, Register of Deeds
Pages: 2 Fee Amount: $25.00

This document has been electronically recorded and returned to submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1602-10-21 - 4.04
AMENDMENT NO. 1

GN

SCALE, FEET
0 25 50



PC 902+26.00 TO 902+92.33
R = 3008.55'
L = 66.33'
LCH = 66.33'
LCB = N09° 26' 23"E

RL STA 902+92.55 =
STA 902+88, 1.47' RT
PROJECT F 09-2(24)

PI = 903+97.17
Y = 449,259.565
X = 612,694.215
Δ = 6°30'46" LT
D = 1°54'16"
T = 171.17'
L = 341.98'
R = 3008.55'
PC = 902+26.00
PT = 905+67.97

PC 902+26.00 TO 902+92.33
R = 3008.55'
L = 66.33'
LCH = 66.33'
LCB = N09° 26' 23"E

902+92.33 TO PT 905+67.97
R = 3008.55'
L = 275.65'
LCH = 275.55'
LCB = N06° 11' 02"E

TLE POINT TABLE		
TLE POINT	STATION	OFFSET
755	900+59.26	-47.80'
756	901+40.00	-47.62'
757	901+55.00	-47.59'
758	902+51.04	-47.27'
759	903+19.87	-40.77'
760	904+13.51	-36.23'
761	906+02.87	-40.58'
762	902+64.77	35.92'
763	900+77.62	35.24'
764	900+58.27	52.88'

COURSE TABLE		
LINE	BEARING	DISTANCE
304-303	N79° 17' 29"W	32.94'
401-402	N10° 12' 08"E	33.46'
402-403	N10° 12' 08"E	33.59'
403-404	N10° 12' 08"E	19.20'
406-407	N03° 25' 33"E	49.50'
407-408	S86° 26' 29"E	30.70'
408-409	S86° 26' 29"E	35.30'
411-412	S10° 12' 08"W	33.52'
305-304	N79° 17' 29"W	33.06'
402-RL	S89° 55' 47"E	32.04'
RL-411	S89° 55' 47"E	35.00'
800-801	S79° 55' 43"E	17.38'
801-802	N10° 04' 17"E	15.00'
802-803	N79° 55' 43"W	17.41'
803-800	S10° 12' 08"W	15.00'
400-800	N10° 12' 08"E	80.73'
803-401	N10° 12' 08"E	98.30'

PLE POINT TABLE		
PLE POINT	STATION	OFFSET
800	901+40.00	-32.62'
801	901+40.00	-50.00'
802	901+55.00	-50.00'
803	901+55.00	-32.59'

EXISTING MONUMENTS TABLE			
IP POINT	STATION	OFFSET	TYPE
1025	901+09.87	-32.69'	1" IP
1026	904+56.25	-28.95'	1" IP
1027	904+55.74	-31.11'	1" IR
1028	905+31.79	-30.37'	1" IP
1029	906+03.12	-30.58'	2" IP
1030	906+52.07	-32.75'	1" IR
1031	905+51.04	32.46'	0.75" IR
1032	904+66.76	27.57'	1" IP

R/W CURVE TABLE						
CURVE	LENGTH OF CURVE	RADIUS	LONG CHORD BEARING	LONG CHORD	DIRECTION BACK	DIRECTION AHEAD
404-405	176.85'	2978.55'	N06° 11' 09"E	176.83'	N07° 53' 12"E	N04° 29' 05"E

R/W POINT TABLE		
RW POINT	STATION	OFFSET
303	899+99.27	-32.94'
304	899+98.90	0.00'
305	899+98.53	33.06'
400	900+59.27	-32.80'
401	902+53.59	-32.24'
402	902+87.41	-31.67'
403	903+21.33	-30.71'
404	903+40.71	-30.00'
405	905+19.35	-30.00'
406	906+02.84	-30.58'
407	906+52.34	-30.70'
408	906+52.34	0.00'
409	906+52.34	35.30'
410	904+13.10	39.90'
411	902+97.59	34.60'
412	902+64.45	33.91'
413	900+58.54	33.19'

NOTES:

EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 45 ESTABLISHED FROM PREVIOUS PROJECT F 09-2(24); CSM V. 2, P. 237, DOC. 258375; CSM V. 16, P. 45, DOC. 410731; THE PLAT OF DORR'S ADDITION TO ELCHO; THE ORIGINAL PLAT OF ELCHO; FILED PLATS OF SURVEY; AND EXISTING IRONS LOCATED IN THE FIELD.

EXISTING HIGHWAY RIGHT-OF-WAY FOR DORR STREET, ENTERPRISE LAKE ROAD, LAKE STREET, AND BLUEBIRD LANE ESTABLISHED FROM CSM V. 16, P. 45, DOC. 410731; THE PLAT OF DORR'S ADDITION TO ELCHO; FILED PLATS OF SURVEY; AND EXISTING IRONS LOCATED IN THE FIELD.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), LANGLADE COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN LANGLADE COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #466193.

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FUNDING | PLANNING | ENVIRONMENTAL
1702 Pankratz St Madison, WI 53704
(608) 242-7779 www.msa-ps.com

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I, BRADLEY L. TISDALE, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN BRADLEY L. TISDALE S-2824 WAUNAKEE WI LAND SURVEYOR

SIGNATURE: Bradley L Tisdale DATE: 04/11/24
PRINT NAME: BRADLEY L. TISDALE
REGISTRATION NUMBER: S-2824
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SIGNATURE: Brent L Stella DATE: 4/11/2024
PRINT NAME: BRENT STELLA

FILE NAME : G:\00\00093\00093668\CADD\RW\4.04 AMENDMENT 1\00093668_USH 45_ELCHO_TPP_4.04 AMENDMENT 1.DWG
APPRAISAL PLAT DATE : 04/11/2024
PLOT DATE : 4/2/2024 3:31 PM
PLOT BY : BRAD TISDALE
PLOT NAME :
PLOT SCALE : 1 INCH = 25 FEET
1602-10-21 4.04 AMENDMENT NO.1

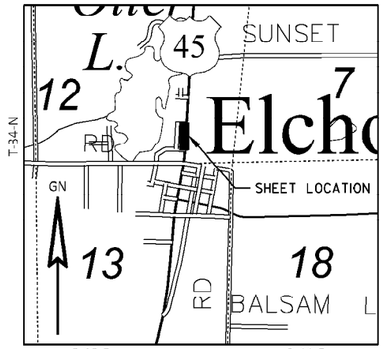
TRANSPORTATION PROJECT PLAT NO: 1602-10-21 - 4.05

THAT PART OF LOT 1 OF CSM VOLUME 9, PAGE 43, DOCUMENT 342131; THAT PART OF LOT 1 CSM VOLUME 16, PAGE 31, DOCUMENT 409972, BEING IN AND INCLUDING PART OF GOVERNMENT LOT 5, ALSO THAT PART OF THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER ALL IN SECTION 12, TOWNSHIP 34 NORTH, RANGE 10 EAST, TOWN OF ELCHO, LANGLADE COUNTY, WISCONSIN.

RELOCATION ORDER FOR USH 45, TOWN OF ELCHO, ANTIGO STREET, CLINIC STREET TO OTTER LAKE LANE, LANGLADE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



LOCATION MAP
(NOT TO SCALE)

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	OWNER(S)	INTEREST(S) REQUIRED	R/W SF REQUIRED			TLE SF
			NEW	EXISTING	TOTAL	
30	ST. LUKE'S EVANGELICAL LUTHERAN CHURCH OF ELCHO, WISCONSIN	TLE	--	--	--	304
31	JAMES J. BERENZ AND MARY JANE BERENZ TRUSTEES, BERENZ REVOCABLE TRUST DATED JUNE 17, 1999	TLE	--	--	--	1976
32	CHAD RAITH, A/K/A CHADWICK RAITH A/K/A CHADWICK D. RAITH	TLE	--	--	--	1000
33	CHARLES R. NEITZEL	TLE	--	--	--	897
34	EMANUEL HERSHBERGER	TLE	--	--	--	846
35	BAKER D. BRANSON	TLE	--	--	--	749
36	BAKER D. BRANSON AND FRANCES J. BRANSON, HUSBAND AND WIFE AS THEIR SURVIVORSHIP MARITAL PROPERTY	TLE	--	--	--	809

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	PARCEL AFFECTED	INTEREST REQUIRED	EASEMENT
81	ASTREA COMMUNICATIONS	31	RELEASE OF RIGHTS	NO EASEMENT OF RECORD

DOCUMENT: **466670**
LANGLADE COUNTY, WI
Recorded 12-08-2022 at 9:13 AM
Chet J. Haatvedt, Register of Deeds
Pages: 1 Fee Amount: $25.00

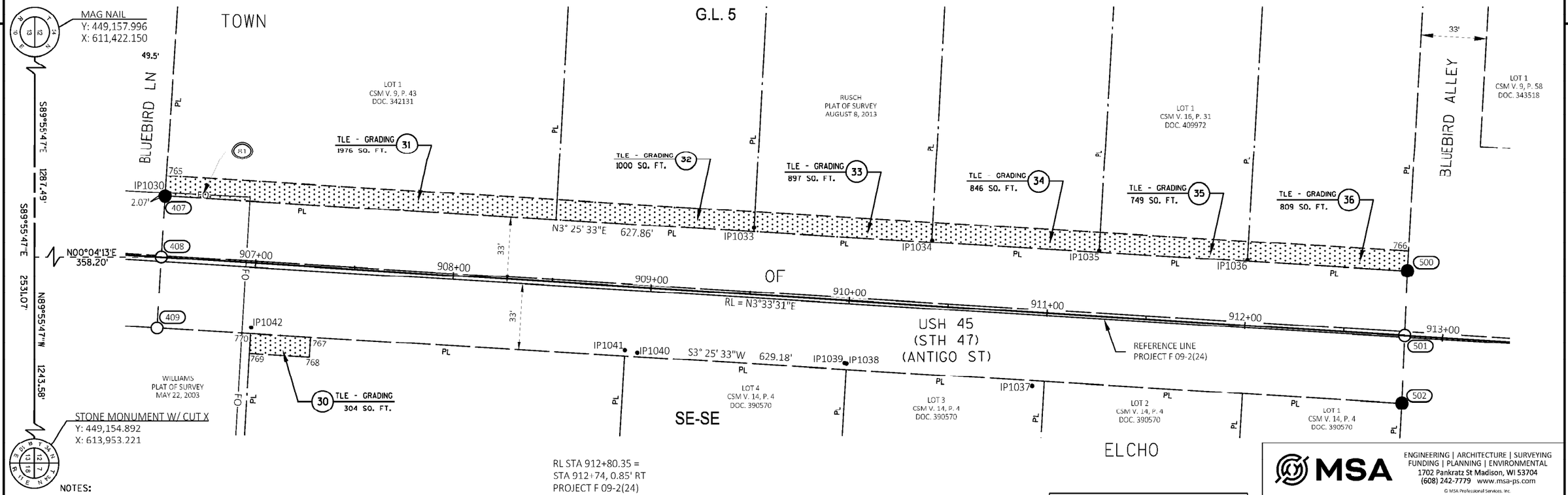
This document has been electronically recorded and returned to submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1602-10-21 - 4.05

GN

SCALE, FEET
0 25 50

4



RL STA 912+80.35 =
STA 912+74, 0.85' RT
PROJECT F 09-2(24)

NOTES:

EXISTING HIGHWAY RIGHT-OF-WAY FOR USH 45 ESTABLISHED FROM PREVIOUS PROJECT F 09-2(24), CSM V. 9, P. 43, DOC. 342131; CSM V. 14, P. 4, DOC. 390570; AND FILED PLATS OF SURVEY.

EXISTING HIGHWAY RIGHT-OF-WAY FOR BLUEBIRD LANE AND BLUEBIRD ALLEY ESTABLISHED FROM CSM V. 9, P. 58, DOC. 343518; AND CSM V. 9, P. 43, DOC. 342131.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN RHINELANDER.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), LANGLADE COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4"X24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS, IN LANGLADE COUNTY, AS SHEET 2 OF 2 OF DOCUMENT #466193.

R/W COURSE TABLE		
LINE	BEARING	DISTANCE
408-407	N86° 26' 29"W	30.70'
500-501	S87° 34' 52"E	32.16'
501-502	S87° 34' 52"E	33.85'
409-408	N86° 26' 29"W	35.30'

TLE POINT TABLE		
TLE POINT	STATION	OFFSET
765	906+52.37	-40.70'
766	912+80.16	-42.15'
767	907+30.00	35.12'
768	907+30.00	45.12'
769	906+99.67	45.19'
770	906+99.63	35.19'

R/W POINT TABLE		
RW POINT	STATION	OFFSET
407	906+52.34	-30.70'
408	906+52.34	0.00'
409	906+52.34	35.30'
500	912+80.21	-32.15'
501	912+80.85	0.00'
502	912+81.52	33.84'

EXISTING MONUMENTS TABLE			
IP POINT	STATION	OFFSET	TYPE
1030	906+52.07	-32.75'	1" IR
1033	909+49.93	-33.29'	1" IP
1034	910+39.96	-32.50'	0.75" IP
1035	911+24.36	-32.60'	1" IP
1036	911+99.36	-32.70'	1" IP
1037	910+94.78	36.88'	1" IP
1038	910+00.56	31.66'	1.5" IP
1039	909+99.58	31.48'	1.5" IP
1040	908+95.05	32.75'	0.75" IP
1041	908+88.66	31.84'	1.5" IP
1042	906+99.81	32.13'	0.75" IR

MSA
ENGINEERING | ARCHITECTURE | SURVEYING
FUNDING | PLANNING | ENVIRONMENTAL
1702 Pankratz St Madison, WI 53704
(608) 242-7779 www.msa-ps.com

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I, ERIC SCHOOT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN ERIC J. SCHOOT S-3149 STEVENS POINT WI LAND SURVEYOR

SIGNATURE: Eric J Schoot DATE: 12/07/22
PRINT NAME: ERIC SCHOOT
REGISTRATION NUMBER: S-3149-8

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: Brent L Stella DATE: 12/07/22
PRINT NAME: BRENT STELLA

FILE NAME : G:\00\00093\00093668\CADD\RW\00093668_USH 45_ELCHO_TPP - RECOVERED WISDOT_RECOVER.DWG
PLOT DATE : 12/07/2022 11:32 AM PLOT BY : ERIC SCHOOT PLOT NAME : PLOT SCALE : 1 INCH = 25 FEET
APPRAISAL PLAT DATE . 12/07/2022

1602-10-21 4.05

EDWARD & JODI SPACE
N11070 HWY 45

ASHLEY BAUKNECHT
W10607 CLINIC STREET

CLINIC ST

LANGLADE MEMORIAL HOSPITAL
W10618 CLINIC STREET

RICHARD & LEA DVORAK
N11176 HWY 45

N

R/W

101'

99'

BP: 878+85.77

STA 881+99.41, 82.66' LT
MATCH EXISTING

9+00 'C'

RIPRAP MEDIUM AND GEOTEXTILE TYPE HR
SEE RIPRAP AND GEOTEXTILE DETAIL

RIPRAP MEDIUM AND GEOTEXTILE TYPE HR
SEE RIPRAP AND GEOTEXTILE DETAIL

40 LF - 36-INCH RCCP
2 EA - AEW

RIPRAP MEDIUM AND GEOTEXTILE TYPE HR
SEE RIPRAP AND
GEOTEXTILE DETAIL

ELECTRIC
(WISCONSIN PUBLIC SERVICE)

RIPRAP MEDIUM AND GEOTEXTILE TYPE HR
SEE RIPRAP AND GEOTEXTILE DETAIL

REMOVE EXISTING GRAVEL
& RESTORE WITH TOPSOIL,
SEED, FERTILIZER, AND MULCH

SLOPE INTERCEPT

100'

WATER
(ELCHO SANITARY DISTRICT NO 1)

879+00 880+00 881+00 882+00 883+00 884+00 885+00 886+00

USH 45 / STH 47 / ANTIGO ST

33'

MATCH LINE STA 886+50

BEGIN CONSTRUCTION
STA 879+85

SLOPE INTERCEPT

PROPOSED TLE

SEE CURB RAMP
DETAILS (TYP.)

ELECTRIC
(WISCONSIN PUBLIC SERVICE)

BEGIN PROJECT
STA 880+65
MATCH EXISTING
SAW CUT REQUIRED

35'
ASPH CE

COMMUNICATIONS
(ASTREA)

EXISTING
EASEMENT

16'
GRAV PE

PROPOSED TLE

CONCRETE SIDEWALK

21'
GRAV CE

PROPOSED TLE

25'
ASPH CE

16'
ASPH CE

35'
ASPH CE

PROPOSED
TLE

SANITARY SEWER
(ELCHO SANITARY DISTRICT NO 1)

GAS
(WISCONSIN PUBLIC SERVICE)

BUILDER'S SERVICE INC
N11173 HWY 45

LEGEND
XXXX SAWING ASPHALT
XXXX SAWING CONCRETE

KRIST OIL CO INC

ALTMAN & BUSSELL LLC
N11133 HWY 45

SCOTT & JULIANNE ECKERT
N11141 HWY 45

THEODORE & BONNIE STEINERT
N11151 HWY 45

BONNIE RETZA
N11163 HWY 45

5

5

STA 880+65.00
EL 1630.02

STA 881+30.00
EL 1630.41

STA 882+38.00
EL 1629.97

EXISTING CL PROFILE

PROPOSED CL PROFILE

0.59%

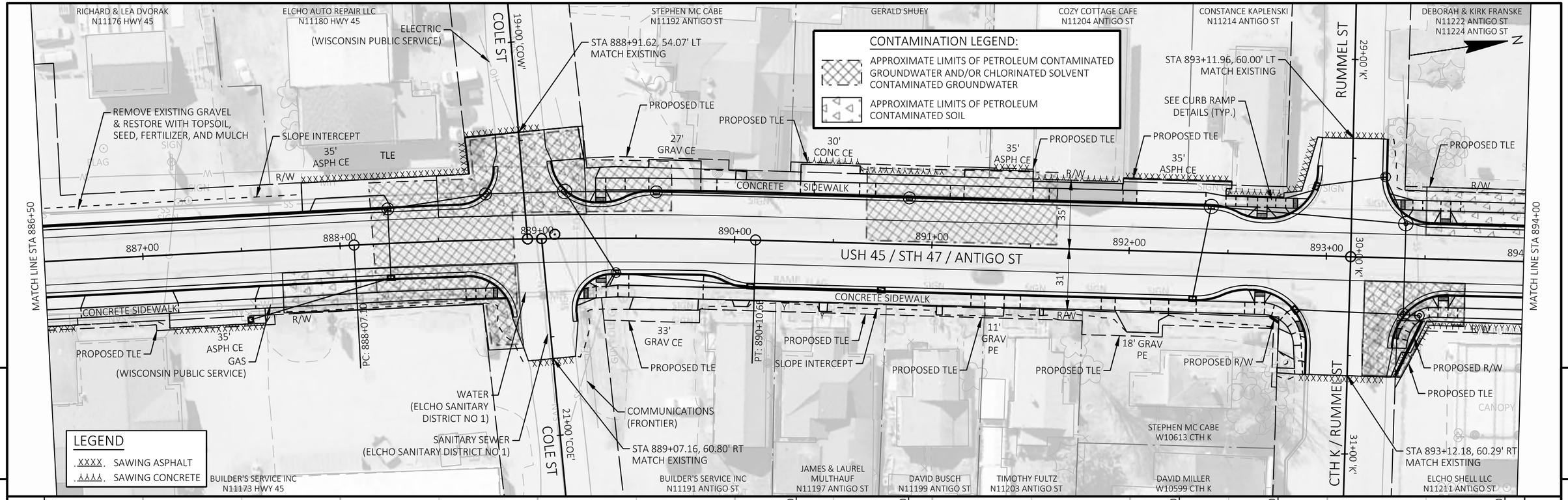
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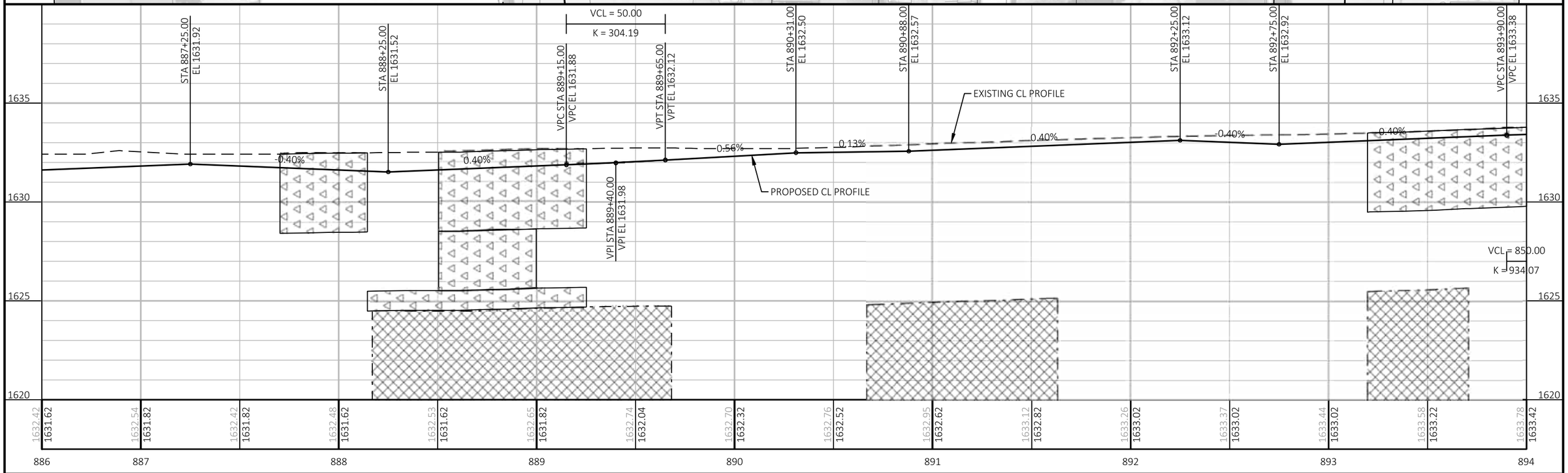
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1635
1630
1625
1620

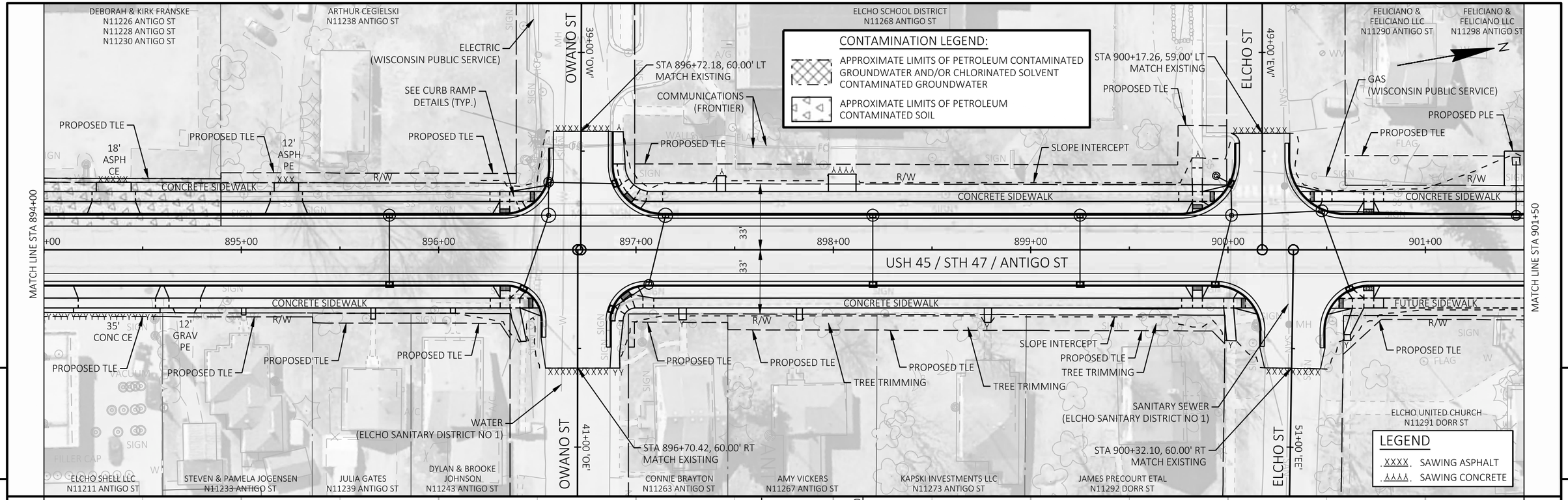
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					1630.13	1630.85	1630.02	1631.13
							1630.22	1631.44
							1630.42	1631.69
							1630.62	1631.96
							1630.82	1632.17
							1631.02	1632.27
							1631.22	1632.39
							1631.42	1632.42
								1631.62

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	PLAN AND PLOTTING: USH 45	SHEET 102	E





PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	PLAN AND PROFILE: USH 45	SHEET 103	E



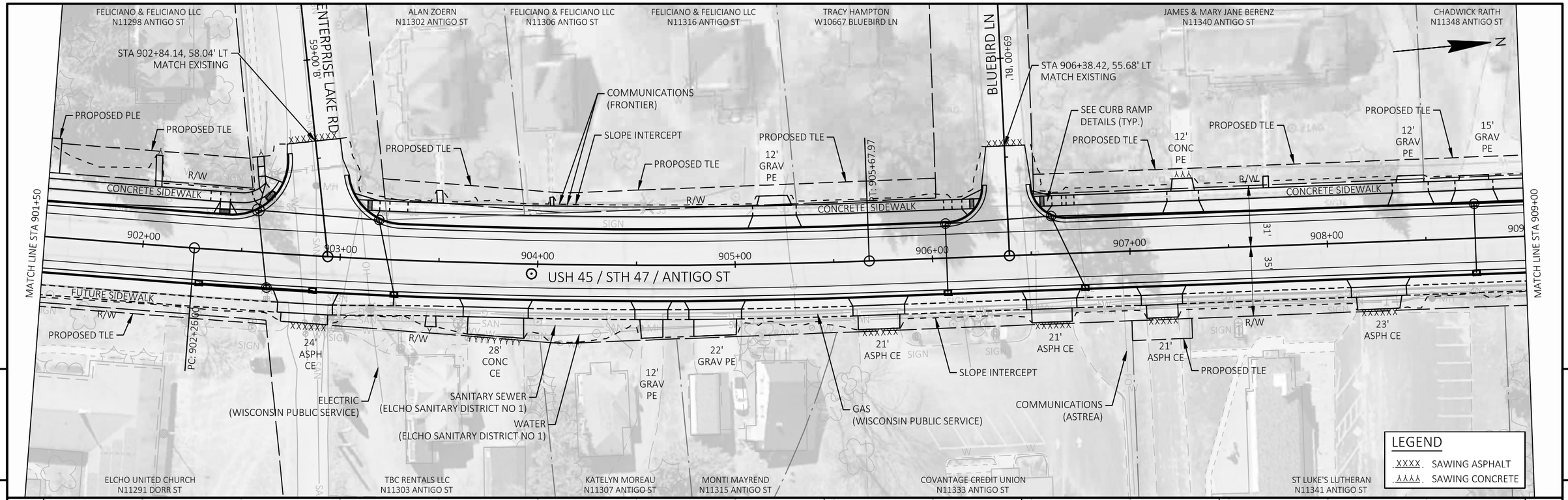
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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	PLAN AND PROFILE: USH 45	SHEET 104	E

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LAYOUT NAME - 050103-pp

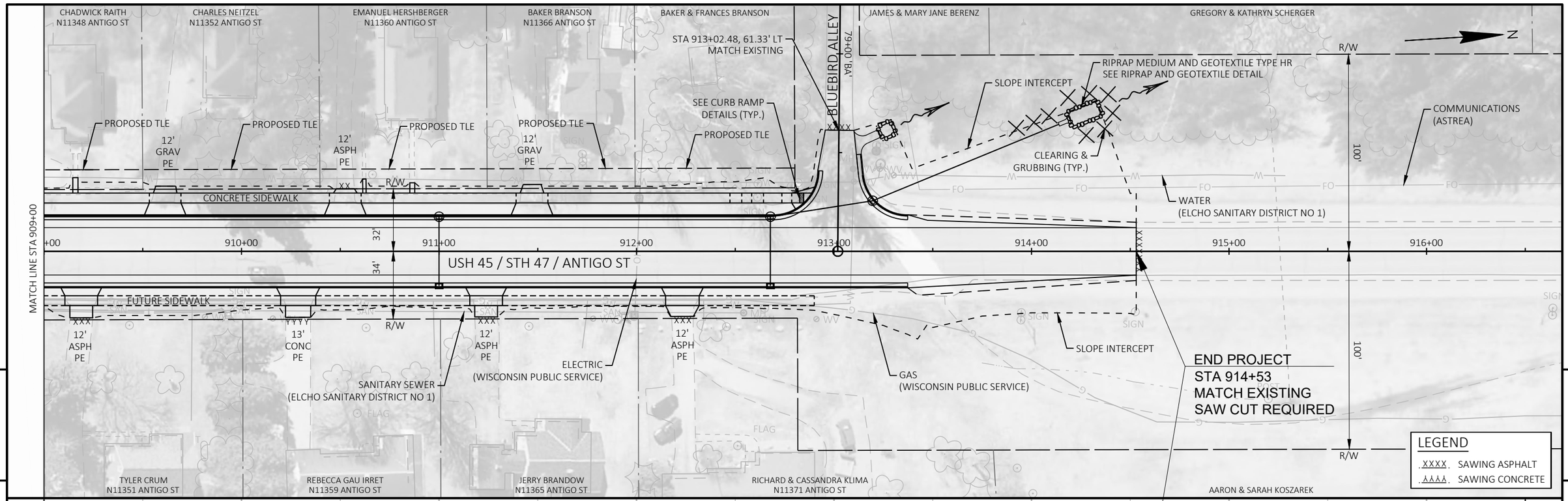
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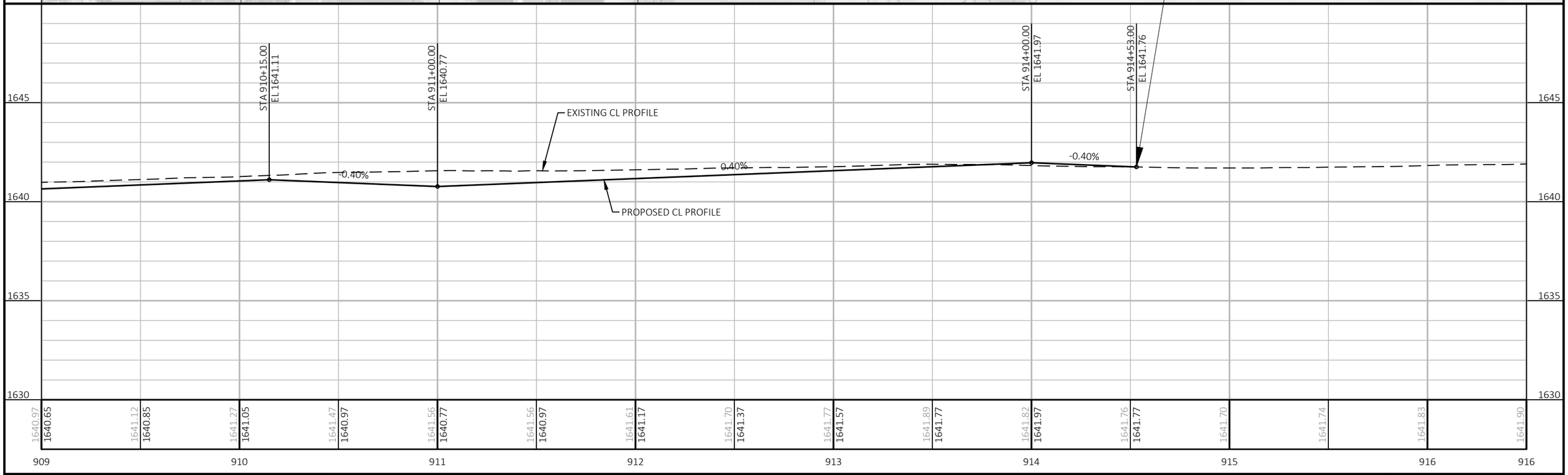


PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	PLAN AND PROFILE: USH 45	SHEET 105	E

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LAYOUT NAME - 050104-pp

PLOT DATE : 4/27/2024 1:03 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:50 FT





PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	PLAN AND PROFILE: USH 45	SHEET 106	E

Standard Detail Drawing List

08A05-20D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A05-21A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-21B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-21D	INLET COVERS TYPE V, V-B, & VV-B
08A08-03	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08A09-03	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08C08-03	INLETS MEDIAN 1 AND 2 GRATE
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-07	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-21A	CURB RAMPS TYPES 1 AND 1-A
08D05-21B	CURB RAMPS TYPES 2 AND 3
08D05-21C	CURB RAMPS TYPES 4A AND 4A1
08D05-21D	CURB RAMPS TYPE 4B AND 4B1
08D05-21E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-21F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-21G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-04	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D20-01	DRIVEWAYS WITH CURB & GUTTER RETURNS
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09A01-14A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09B02-10	CONDUIT
09B16-02	PULL BOX NON-CONDUCTIVE
13C19-03	HMA LONGITUDINAL JOINTS
14B29-01	SAFETY EDGE
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-09F	ADVANCED WIDTH RESTRICTION SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C19-08A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-09A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING
15D45-03	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
15D51-01	TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

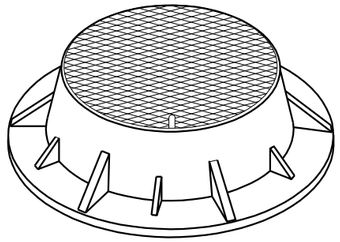
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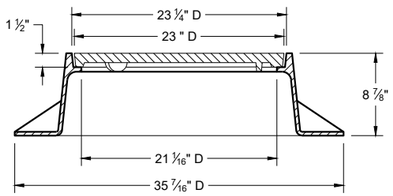
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

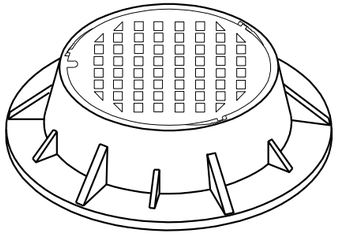
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

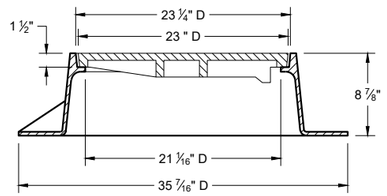




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

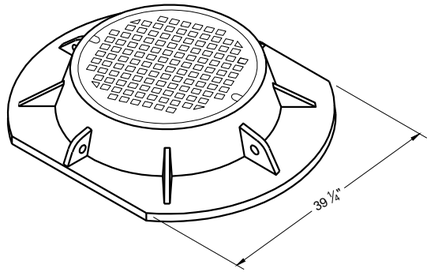


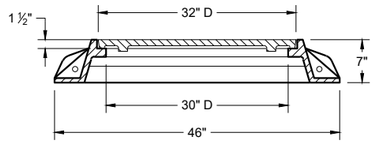


TYPE "J" SPECIAL

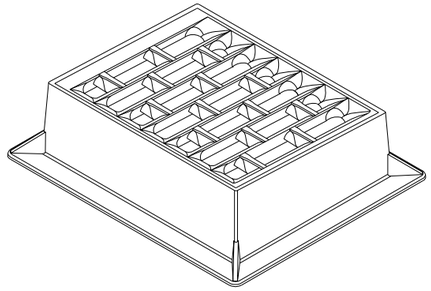
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

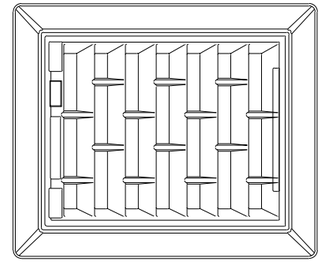
NOTE: EITHER CASTING IS ACCEPTABLE

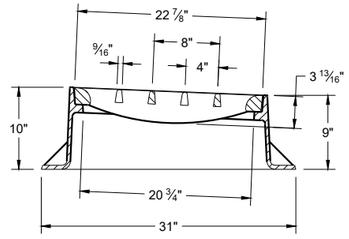


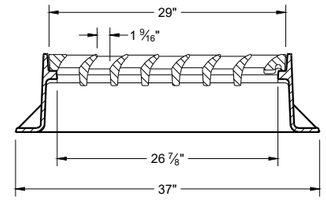


TYPE "K"

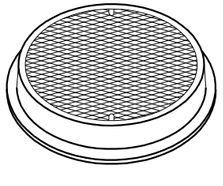


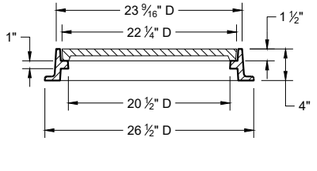




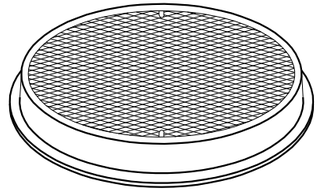


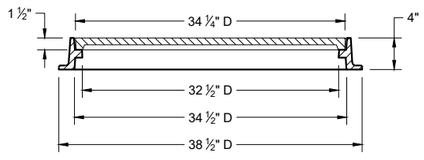
INLET COVER TYPE "BW"





TYPE "L"





TYPE "M"

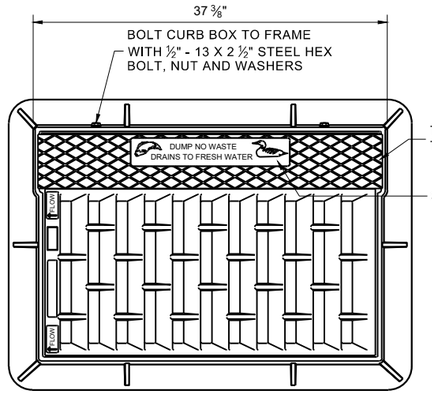
INLET COVERS TYPES BW
MANHOLE COVERS TYPES K, J, J-S, L, AND M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

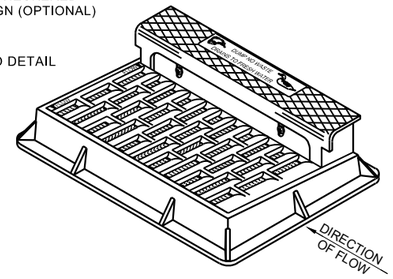
APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

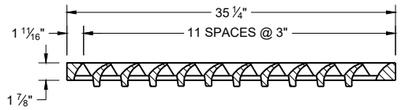
6
SDD 08A05-20d

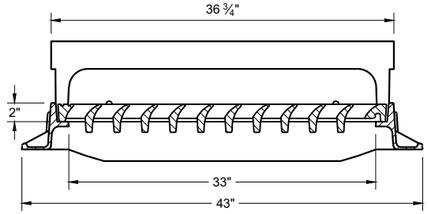


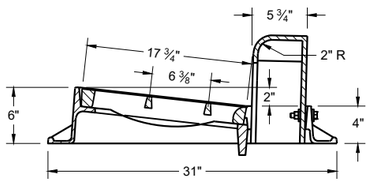
NOTE: EITHER CASTING IS ACCEPTABLE

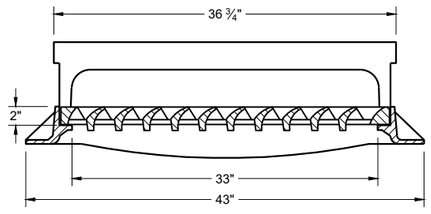


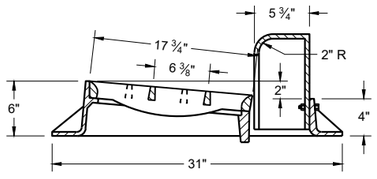
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







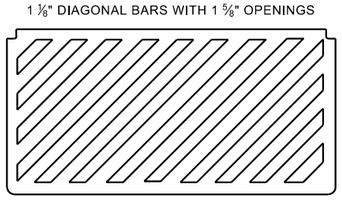




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

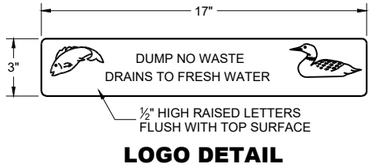
1 ⅛" DIAGONAL BARS WITH 1 ⅝" OPENINGS



SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 ¾" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



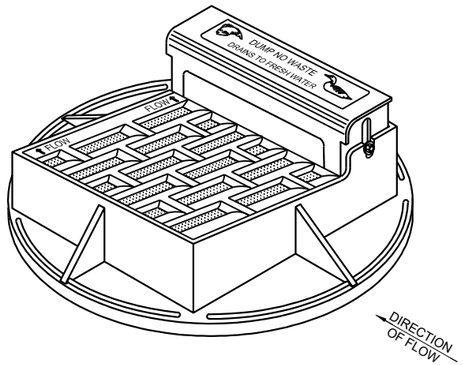
LOGO DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

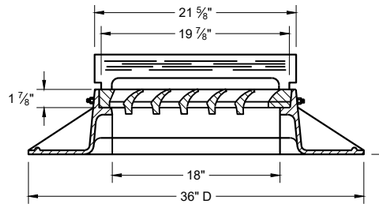
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

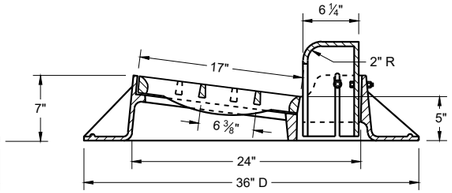
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

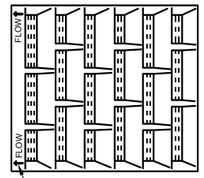


NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

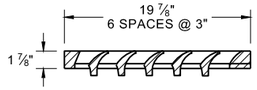
NOTE: EITHER CASTING IS ACCEPTABLE



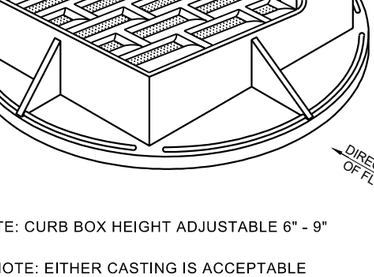


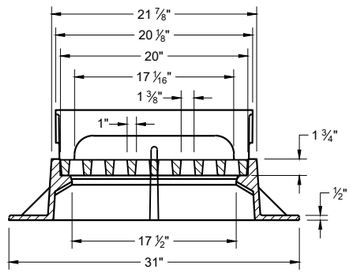


DIRECTION OF FLOW ARROWS



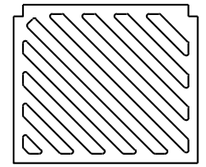
TYPE "A"





TYPE "Z"

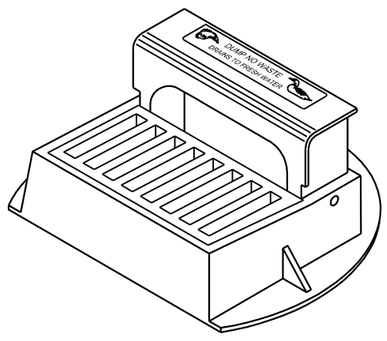
1" DIAGONAL BARS
WITH 1 ½" OPENINGS



SPECIAL GRATE FOR TYPE "A" COVER

(MEASURES 19 ¾" X 17" X 1 ⅞")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



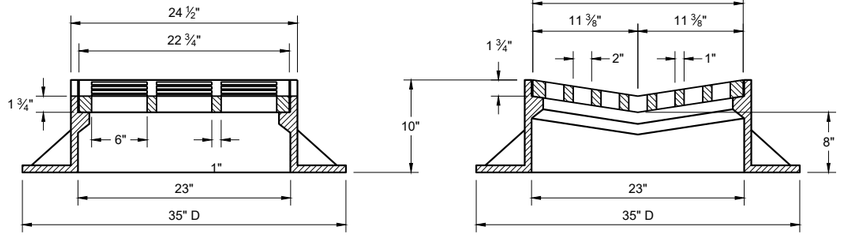
INLET COVERS
TYPES A, H, A-S, H-S AND Z

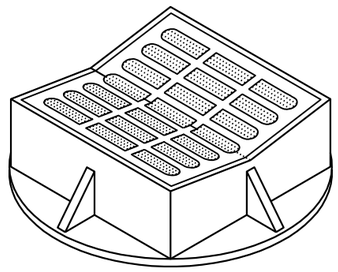
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

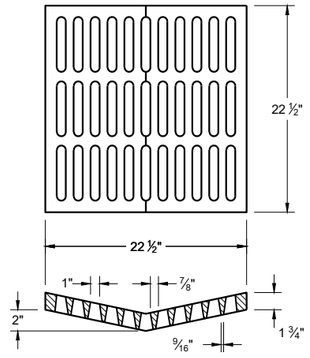
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERVISOR

FHWA





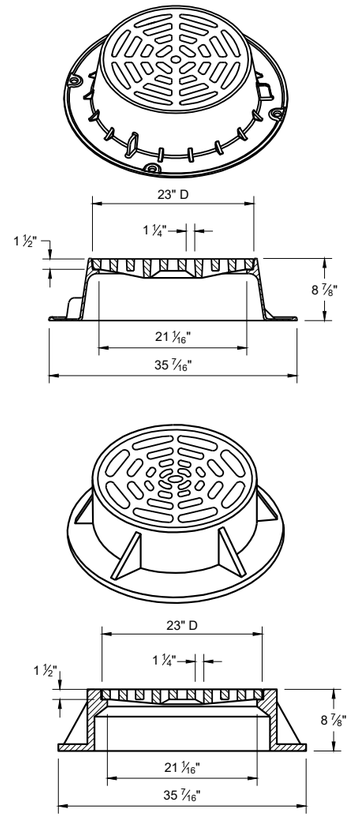
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS POSSIBLE

NOTED AS TYPE B - A ON THE DRAINAGE TABLE



TYPE "C"

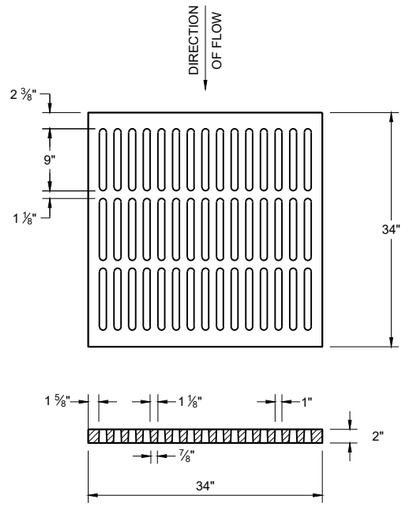
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

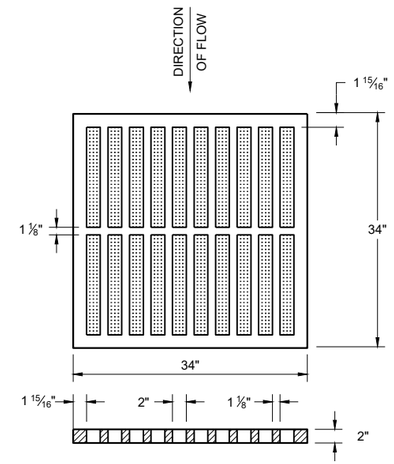
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

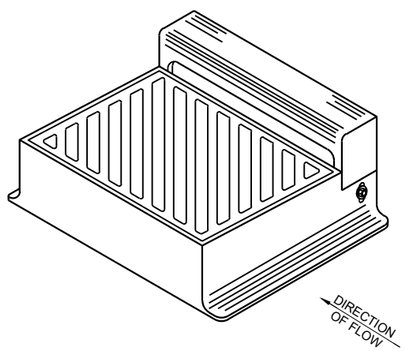
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



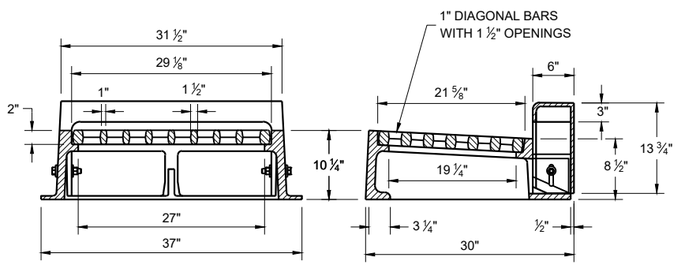
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE



DIAGONAL SLOTS SHALL BE ORIENTEDTO THE DIRECTION OF FLOW AS ILLUSTRATED.
GRATES ARE MANUFACTURED TO BE REVERSIBLE.



TYPE "WM"

NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

INLET COVERS TYPES B, B-A, C, MS, MS-A AND WM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

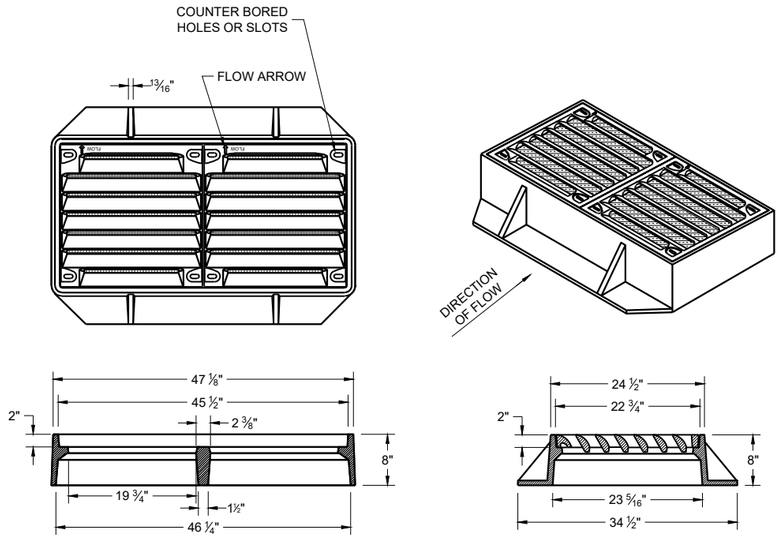
6

SDD 08A05-21b

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

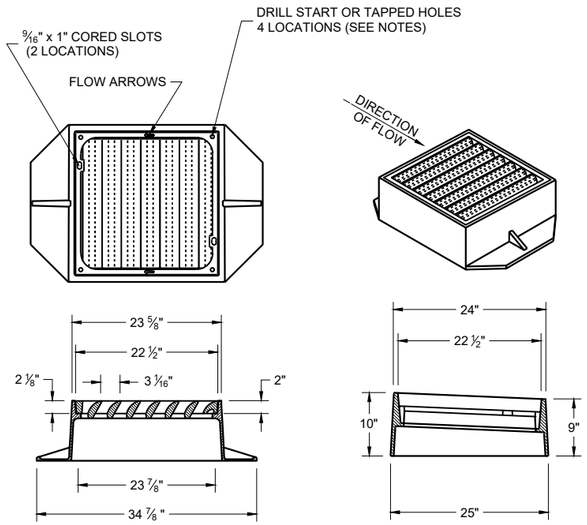
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



TYPE "VV-B"

NOTES: ALL HARDWARE TO BE SUPPLIED BY CASTING MANUFACTURER
ALL DRILLING AND TAPPING GRATES AND FRAMES BY CASTING MANUFACTURER

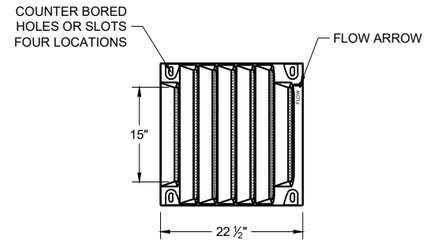
TYPE V
FRAME - CAST GRAY IRON ASTM A48 CLASS 35B
3/8" DIA. X 1/16" DRILL START IN 8 LOCATIONS
GRATE - CAST GRAY IRON ASTM A-48, CLASS 35B



TYPE "V"

NOTES: ALL HARDWARE TO BE SUPPLIED BY CASTING MANUFACTURER ALL DRILLING AND TAPPING GRATES AND FRAMES BY CASTING MANUFACTURER

TYPE V
FRAME - CAST GRAY IRON ASTM A48 CLASS 40A
3/8" DIA. X 1/16" DRILL START IN 4 LOCATIONS
GRATE - CAST GRAY IRON ASTM A-48, CLASS 35B



BOLT DOWN GRATE FOR TYPE "V" AND "VV-B" COVER

NOTES: ALL HARDWARE TO BE SUPPLIED BY CASTING MANUFACTURER NOTED AS TYPE "V-B" OR "VV-B" (FOR DOUBLE GRATE) ON DRAINAGE TABLE

TAP 1/2" -13 HOLES IN FOUR LOCATIONS PER GRATE IN FRAME TO BOLT GRATE(S).
FRAME - CAST GRAY IRON ASTM A48 CLASS 40A

GRATE - CAST DUCTILE IRON ASTM A536, 55+KSI YIELD
BOLTS - 1/2" -13 STAINLESS STEEL BOLTS WITH WASHERS
TORQUE BOLTS TO MANUFACTURER SPECIFICATION DO NOT OVERTIGHTEN.

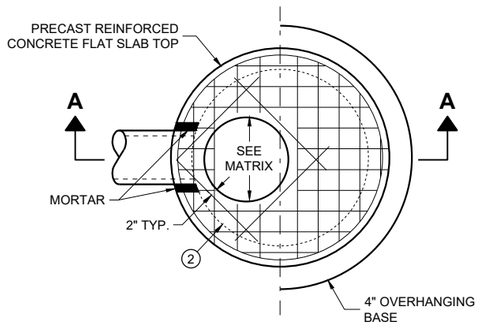
INLET COVERS
TYPES V, V-B, AND VV-B

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

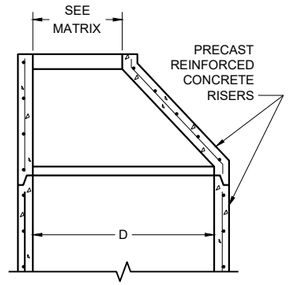
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

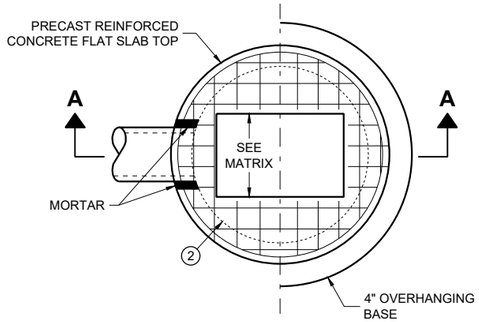
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SDD 08A05-21d



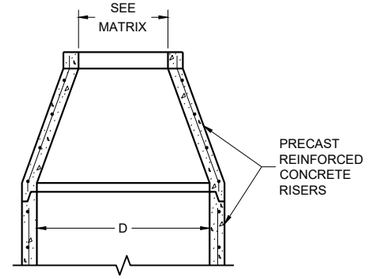
PLAN VIEW CIRCULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



PLAN VIEW RECTANGULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

COVER MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V V-B	VV-B	WM	Z
	OPENING SIZE (FT.)												
3-FT	2 X 2	X	X					X		X			
	2 DIA.				X								X
4-FT TO 6-FT	2 X 2	X	X					X		X			
	2 X 2.5			X				X	X	X		X	
	2 DIA.				X								X
	2 X 3						X						
	2.5 X 3					X							
	2 X 3.5*										X*		

* REQUIRES 5-FT DIAMETER OR LARGER STRUCTURE

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USE ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

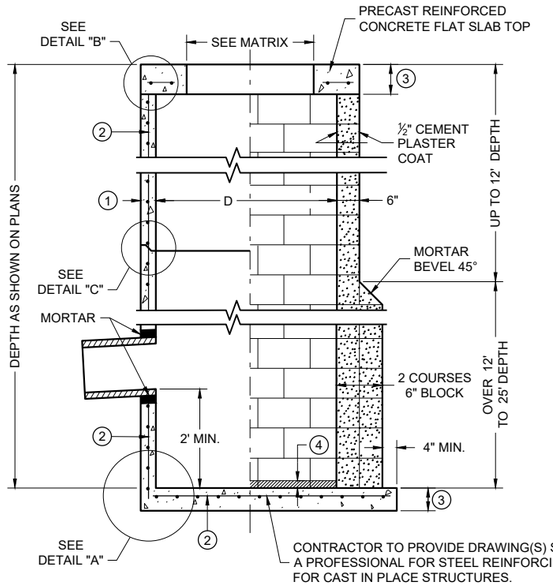
(1) MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

(2) FOR PRECAST CATCH BASINS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

(4) 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

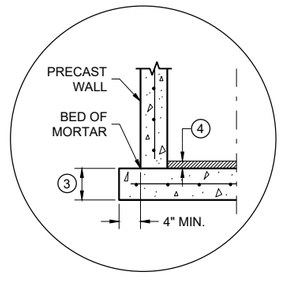
(5) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFROMING TO ASTM C443.



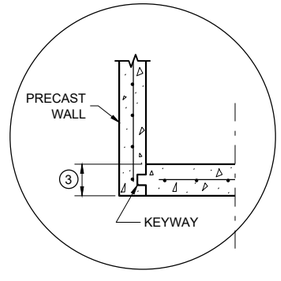
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)

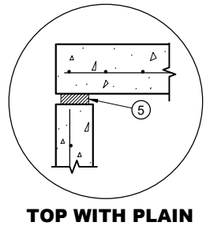


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

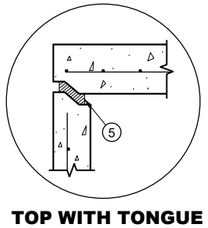


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

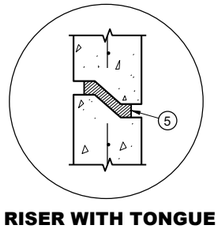
DETAIL "A"



TOP WITH PLAIN END JOINT

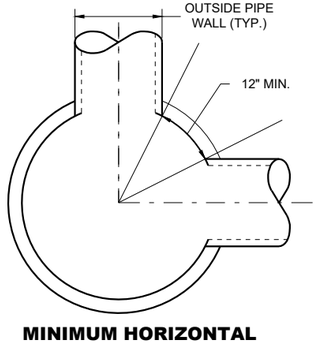


TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**



MINIMUM HORIZONTAL PIPE SEPARATION

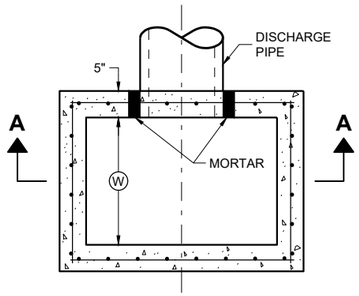
DETAIL "D"

CATCH BASINS, 3-FT. 4-FT., 5 FT., AND 6-FT. DIAMETER

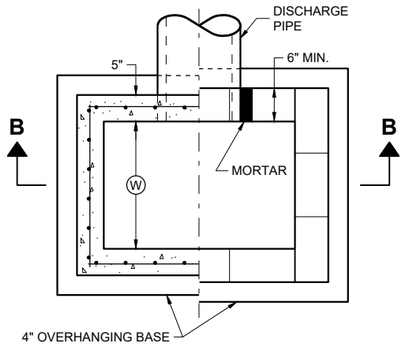
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

SDD 08A08-03



PLAN VIEW



PLAN VIEW

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST CATCH BASIN UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

(1) FOR PRECAST CATCH BASINS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

(2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

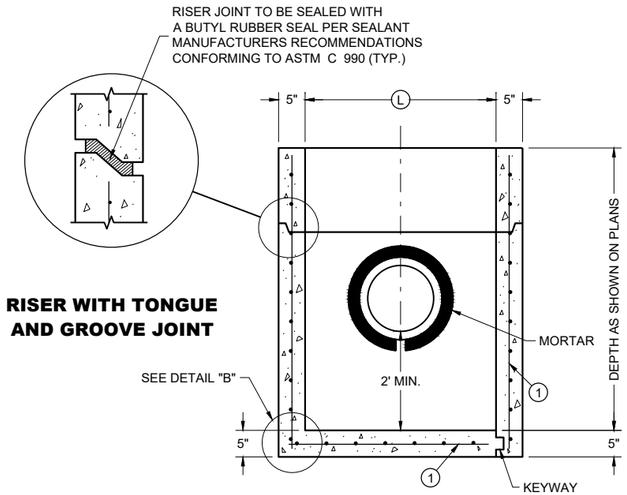
(3) 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE	
			F	ALL H'S
2 X 3-FT	2	3		X
2.5 X 3-FT	2.5	3	X	

PIPE MATRIX

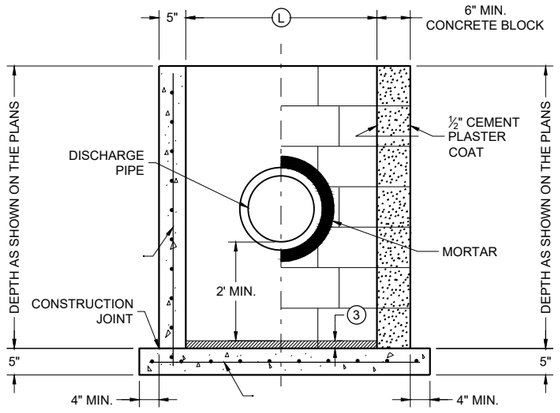
CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER (IN)	
	WIDTH (W)(IN)	LENGTH (L)(IN)
2 X 3-FT	12	24
2.5 X 3-FT	18	24



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

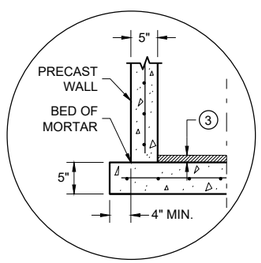
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

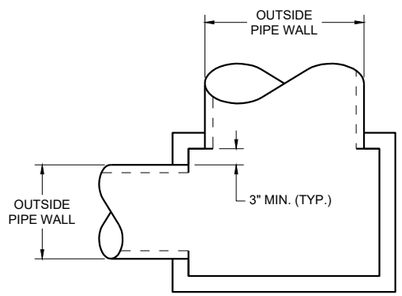
CONCRETE BLOCK ON CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



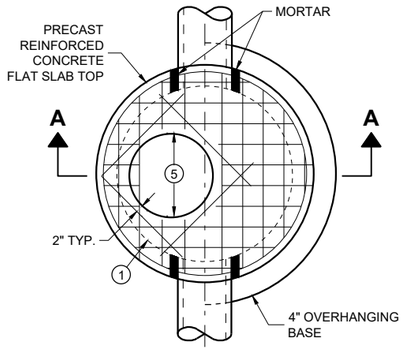
DETAIL "A"

CATCH BASINS 2X3-FT AND 2.5X3-FT

CATCH BASINS
2 X 3-FT AND 2.5 X 3-FT

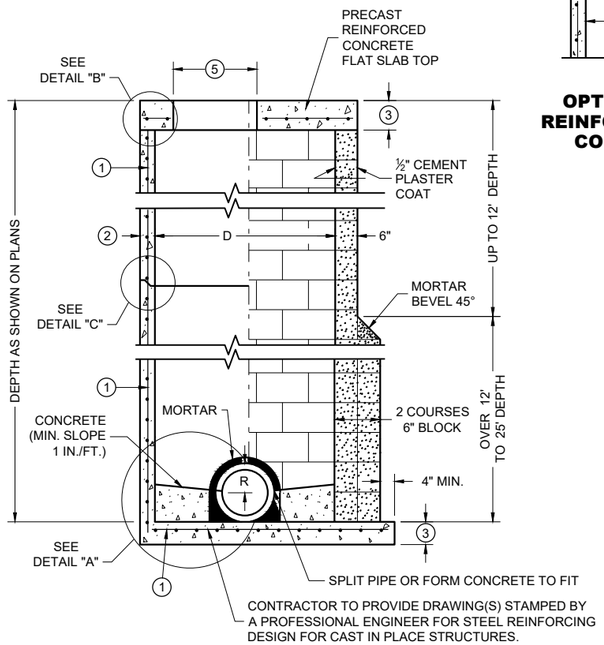
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/S/ RODNEY TAYLOR — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA



PLAN VIEW

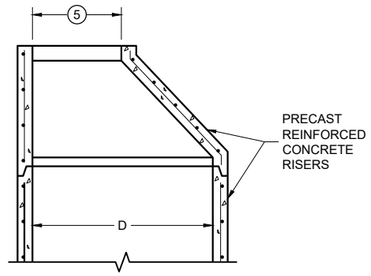
CIRCULAR OPENING



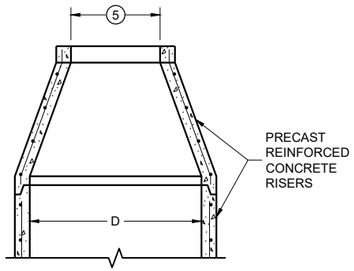
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

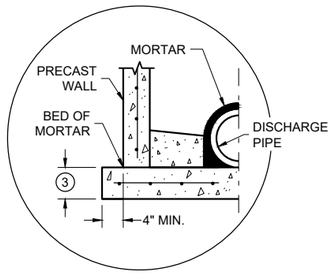
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



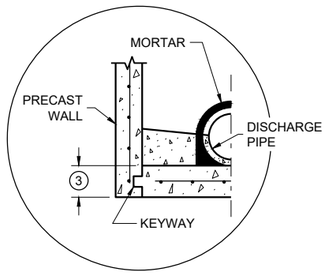
OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

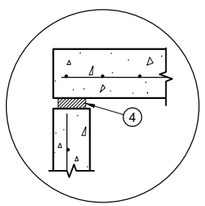


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

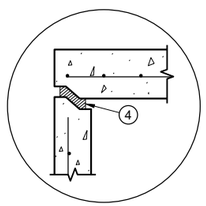


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

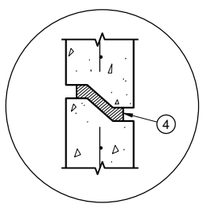
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

DETAIL "C"

MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) (5) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42 *	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL IMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

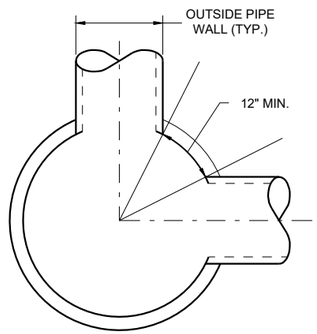
(1) FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.

(5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

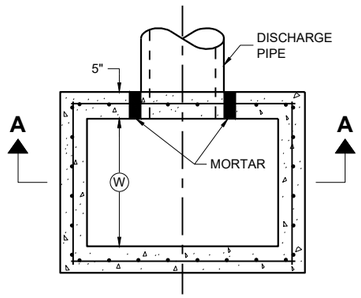
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

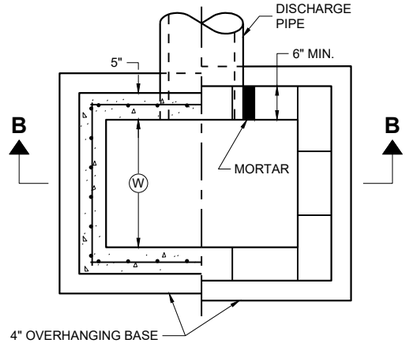
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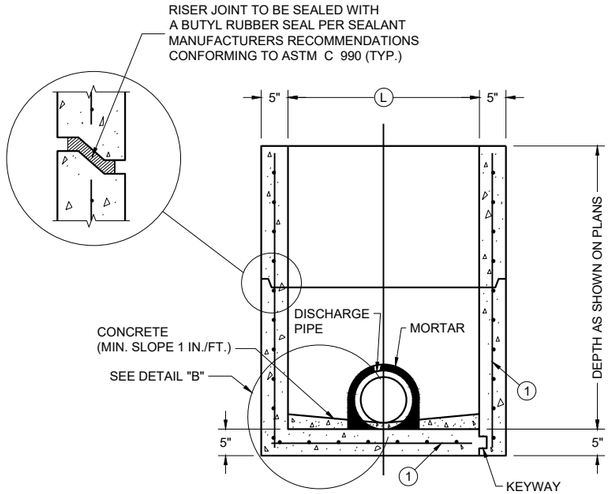
FHWA



PLAN VIEW



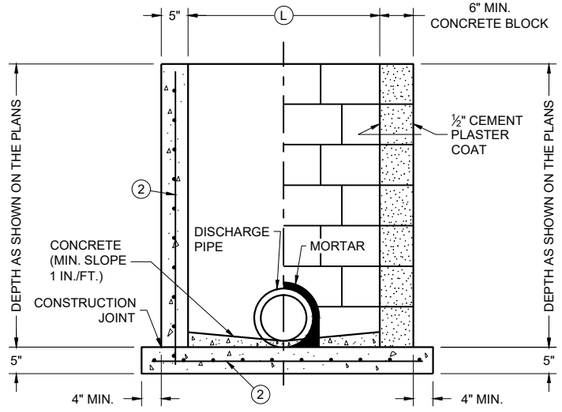
PLAN VIEW



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

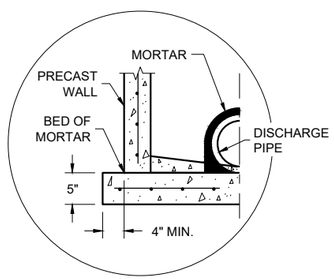
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

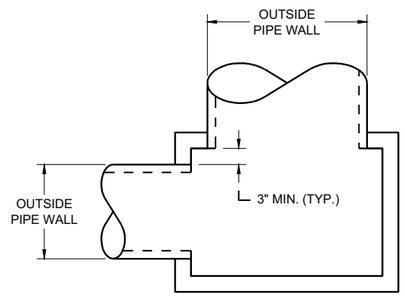
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

(1) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913
(2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

CATCH BASIN COVER MATRIX

INLET SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE									
			ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM	V V-B
2 X 2-FT	2	2	X	X				X				
2 X 2.5-FT	2	2.5			X			X	X	X	X	
2 X 3-FT	2	3					X					
2.5 X 3-FT	2.5	3				X						
2 X 3.5-FT	2	3.5										X

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2 X 2-FT	12	12
2 X 2.5-FT	12	18
2 X 3-FT	12	24
2.5 X 3-FT	18	24
2 X 3.5-FT	12	30

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2X3.5-FT

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2 X 3.5-FT

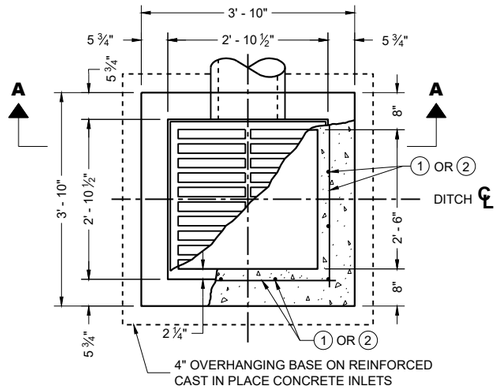
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023
DATE

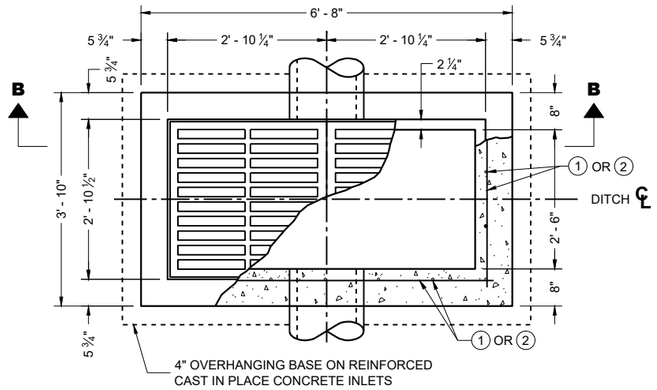
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

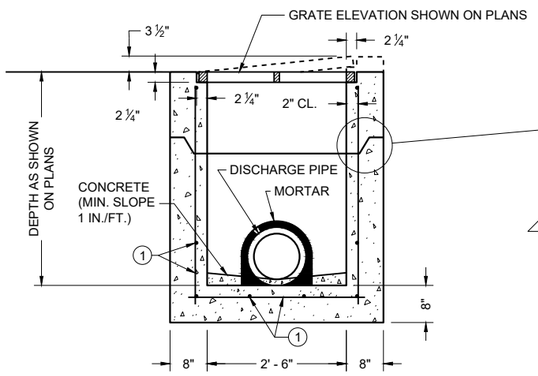
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SDD 08C07-03



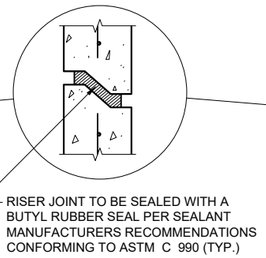
PLAN VIEW

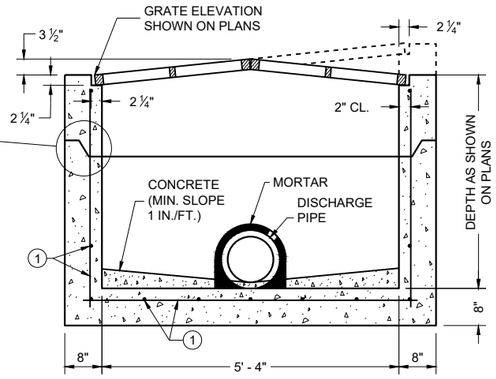


PLAN VIEW

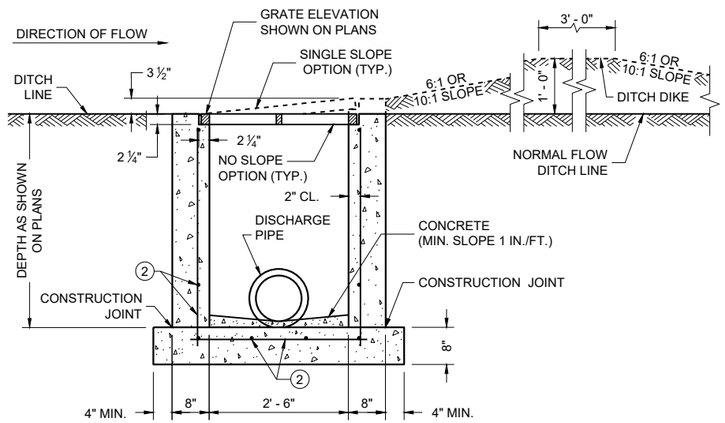


PRECAST REINFORCED CONCRETE SECTION A - A



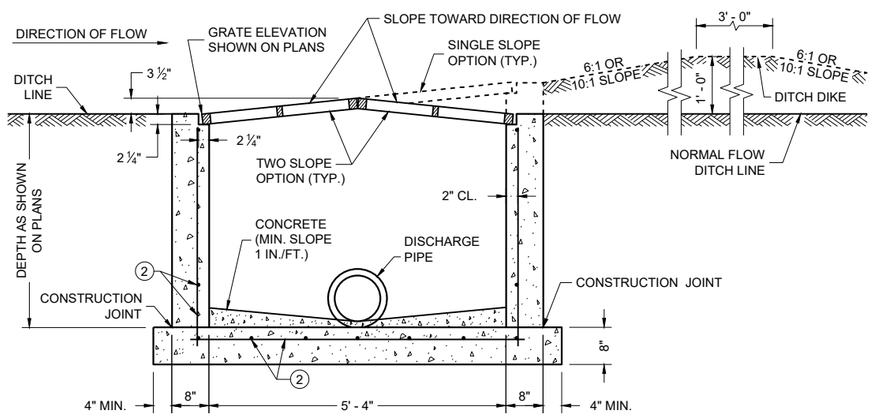


PRECAST REINFORCED CONCRETE SECTION B - B



REINFORCED CAST IN PLACE CONCRETE SECTION A - A

INLETS MEDIAN 1 GRATE



REINFORCED CAST IN PLACE CONCRETE SECTION B - B

INLETS MEDIAN 2 GRATE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

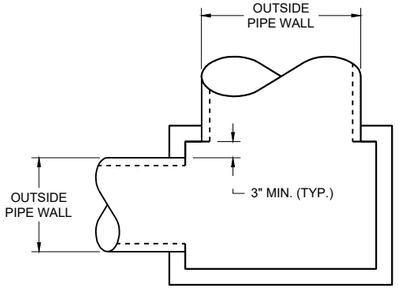
ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

(1) FOR PRECAST INLETS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

(2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.



DETAIL "A"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42

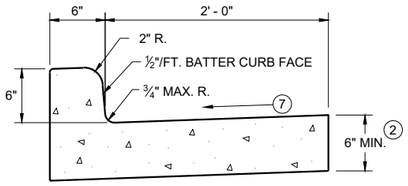
INLETS
MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

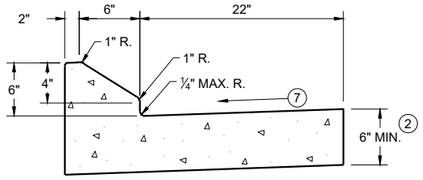
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

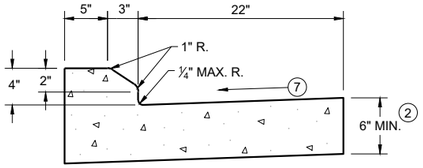
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SDD 08C08-03



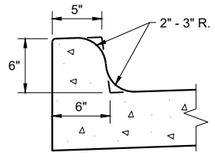
TYPES A (1) & D



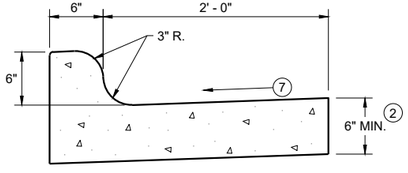
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

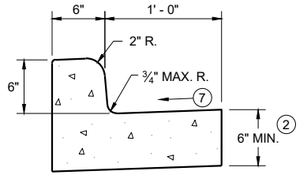


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



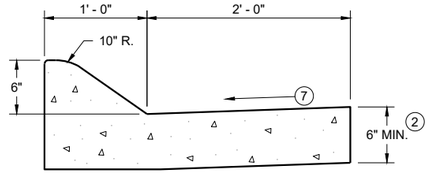
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

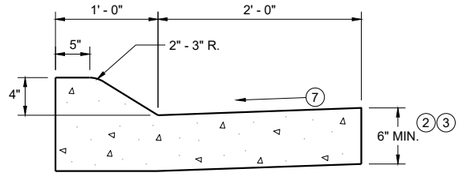


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

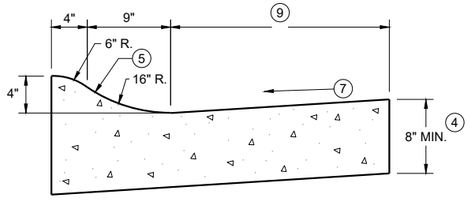


6" SLOPED CURB TYPES A (1) & D



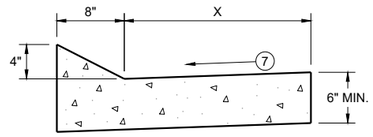
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

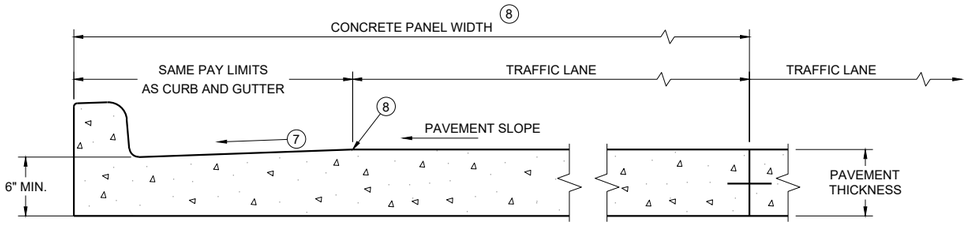


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

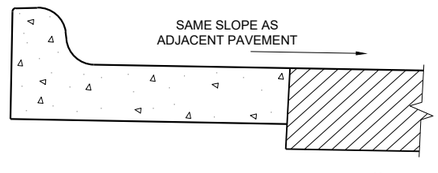
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

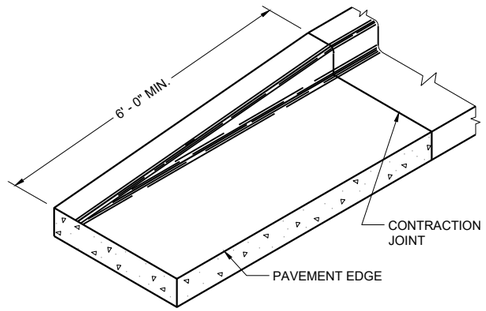
(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

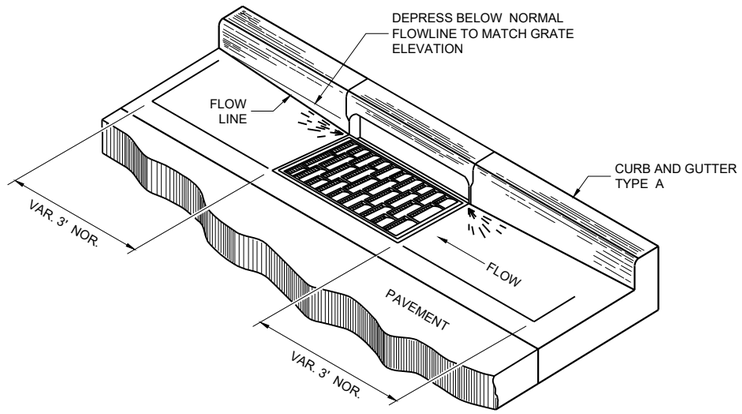
CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D01-23a



END SECTION CURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

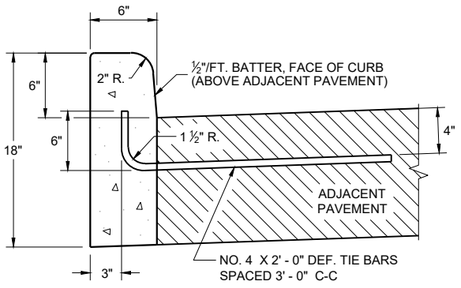
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

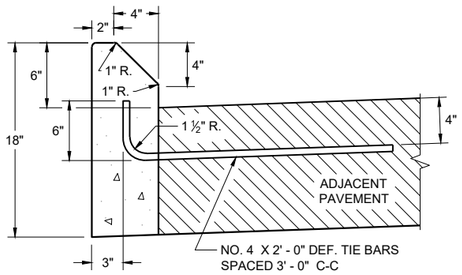
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(10) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.

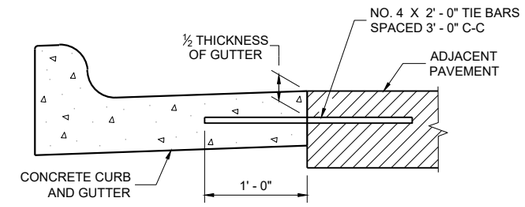


TYPES A (1) & D

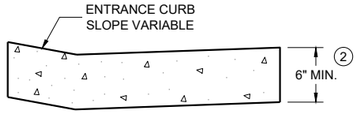


TYPES G (1) & J

CONCRETE CURB

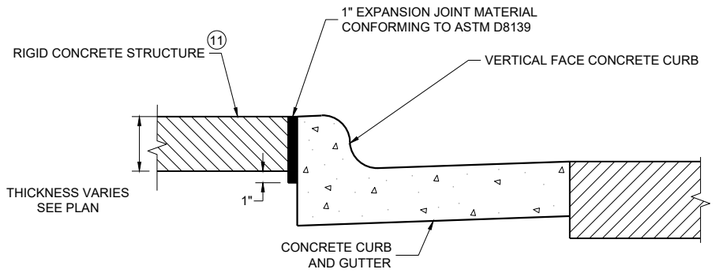


TYPICAL TIE BAR LOCATION (1)

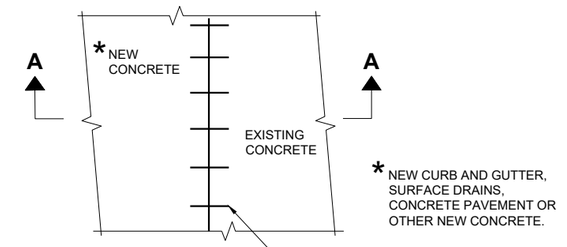


DRIVEWAY ENTRANCE CURB (10)

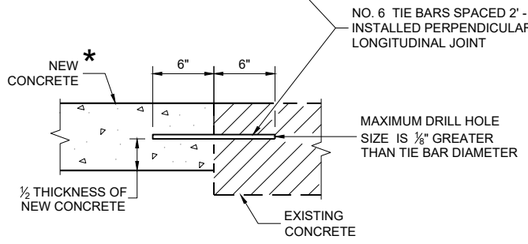
(WHEN DIRECTED BY THE ENGINEER)



EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



PLAN VIEW



SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

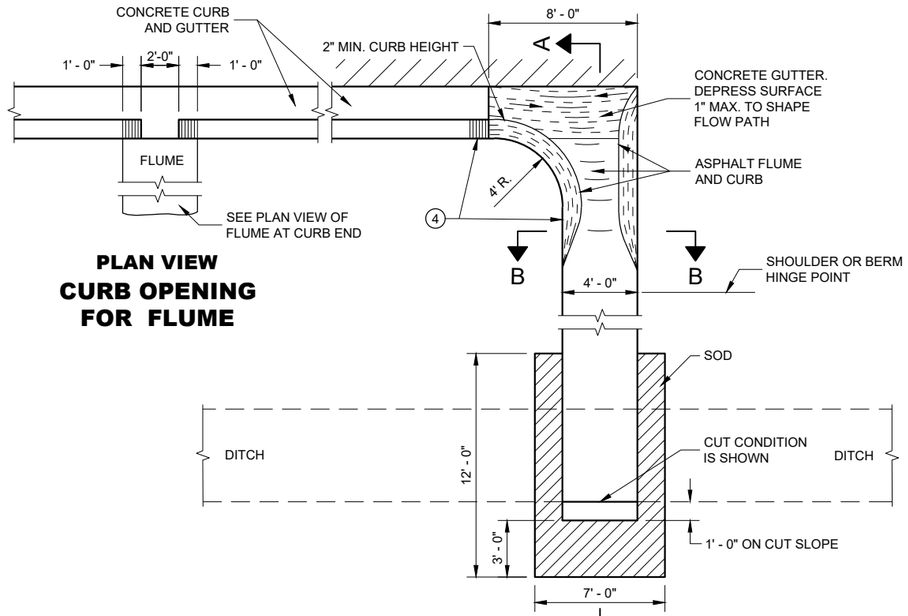
APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6
SDD 08D01-23b

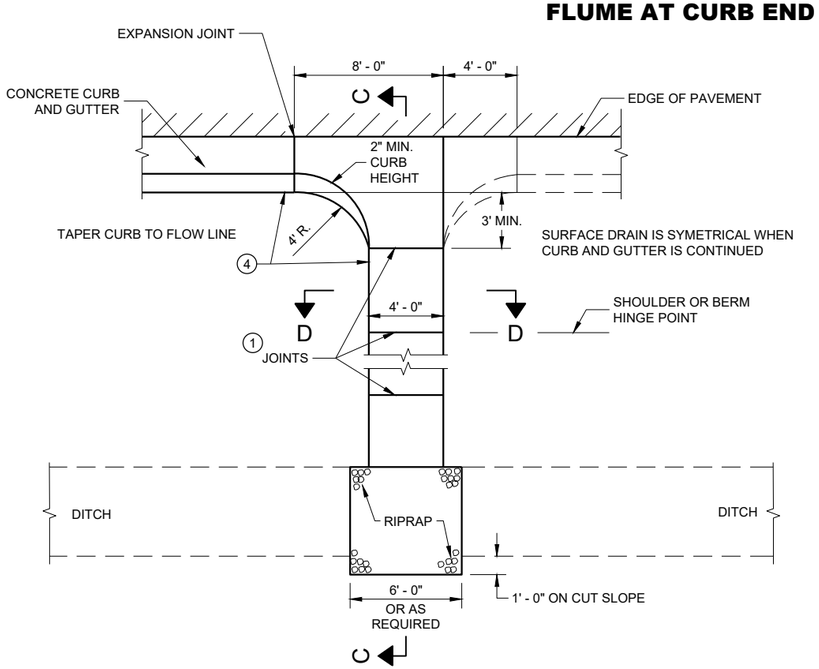
NOTE: TAPER CURB ENDS TO GUTTER IN 1' - 0"

ASPHALTIC FLUME



PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



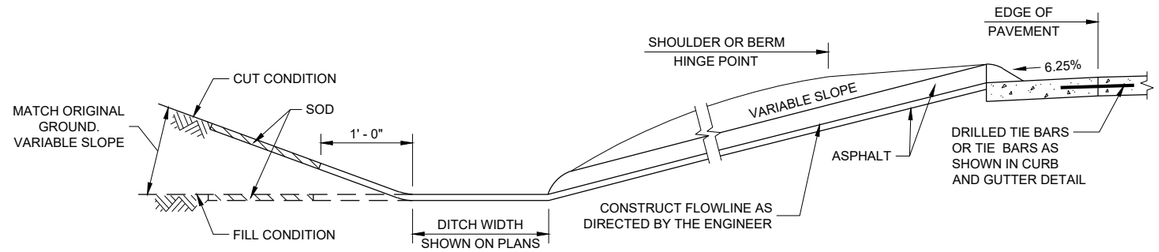
PLAN VIEW
CONCRETE SURFACE DRAIN

GENERAL NOTES

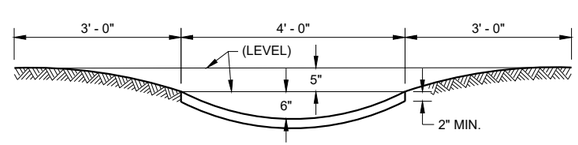
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

4" X 4" - W3.0 X W3.0 CONCRETE REINFORCEMENT SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

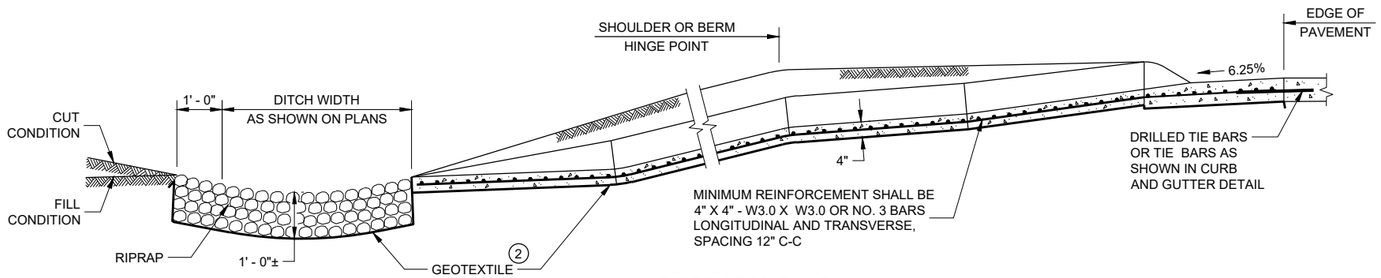
1. JOINTS SHALL BE ⅛" TO ¼" WIDE BY 1½" DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.
2. GEOTEXTILE TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.
3. CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED.
4. ANGLE OF FLUME IN RELATION TO BACK OF CURB TO BE CONSTRUCTED PER THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER. ANGLE OF FLUME MAY BE OTHER THAN 90 DEGREES AS SHOWN.



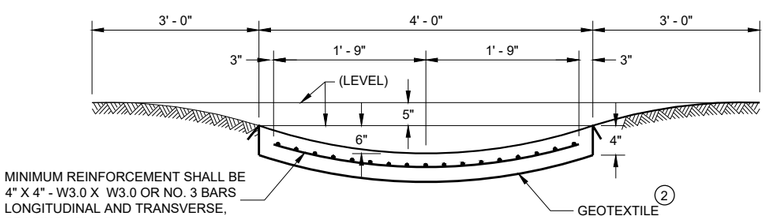
SECTION A - A



SECTION B - B



SECTION C - C



SECTION D - D

CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES

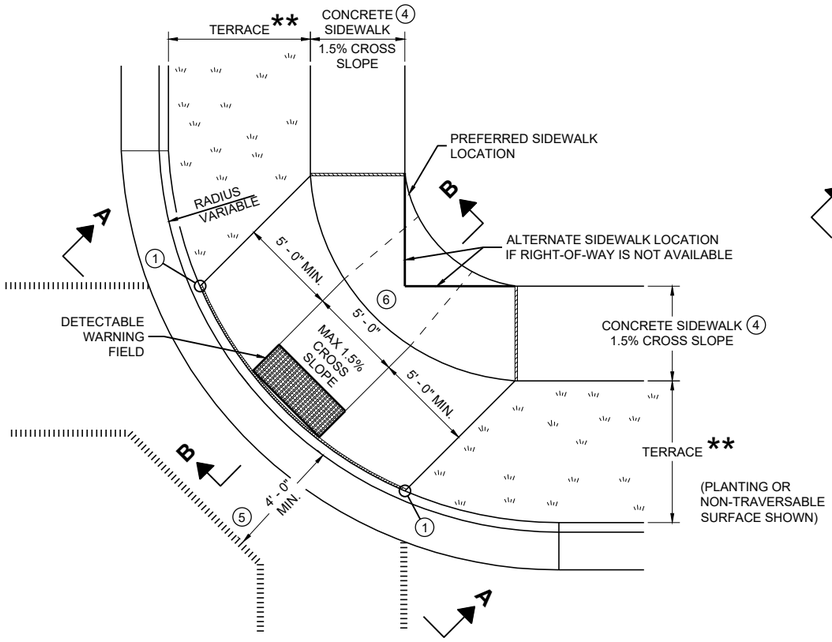
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

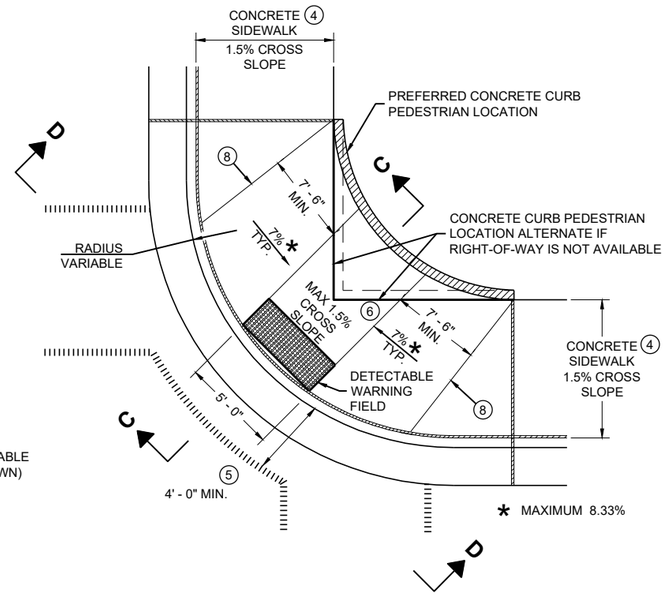
6
SDD 08D04 - 07



PLAN VIEW

CURB RAMP TYPE 1

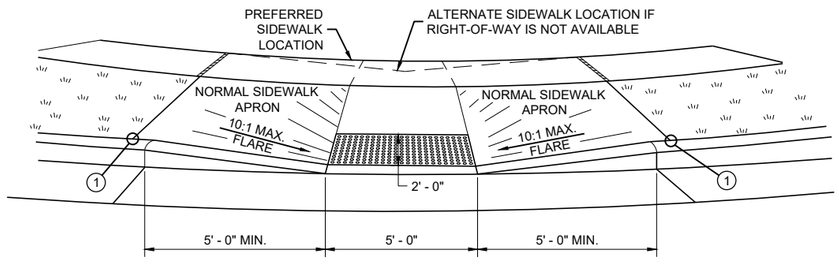
(CENTER OF CORNER RADIUS)



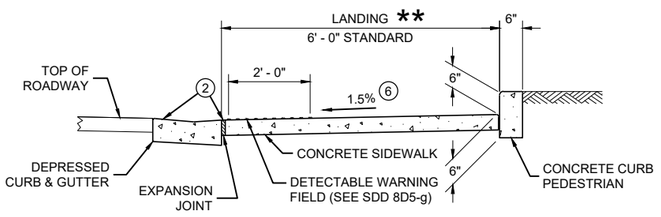
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

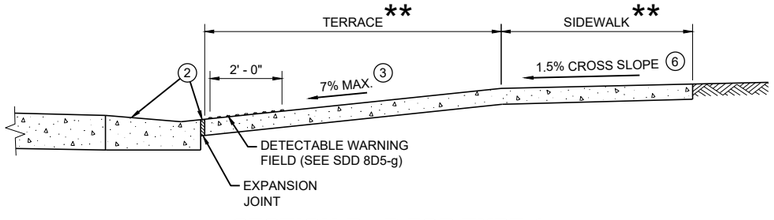


VIEW A - A FOR TYPE 1

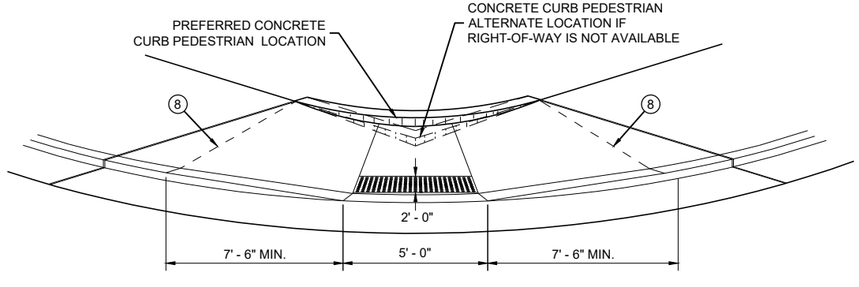


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ½ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA. 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

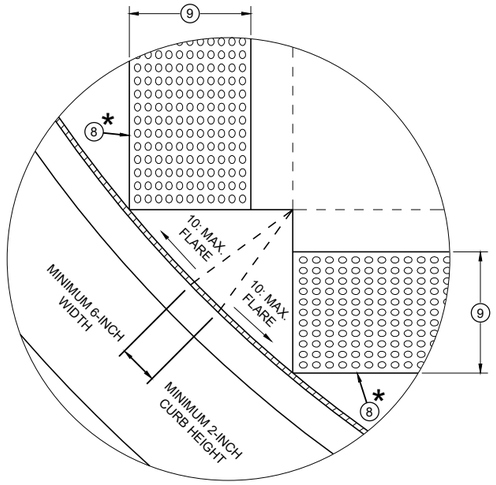
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

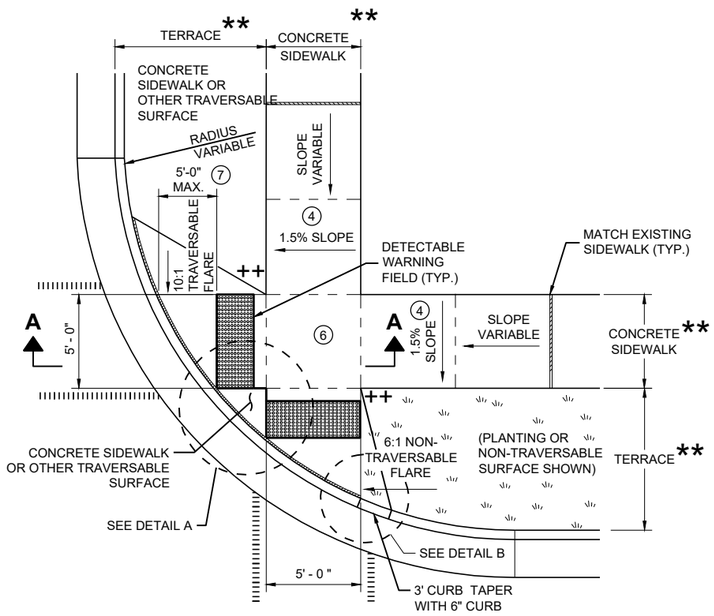
CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

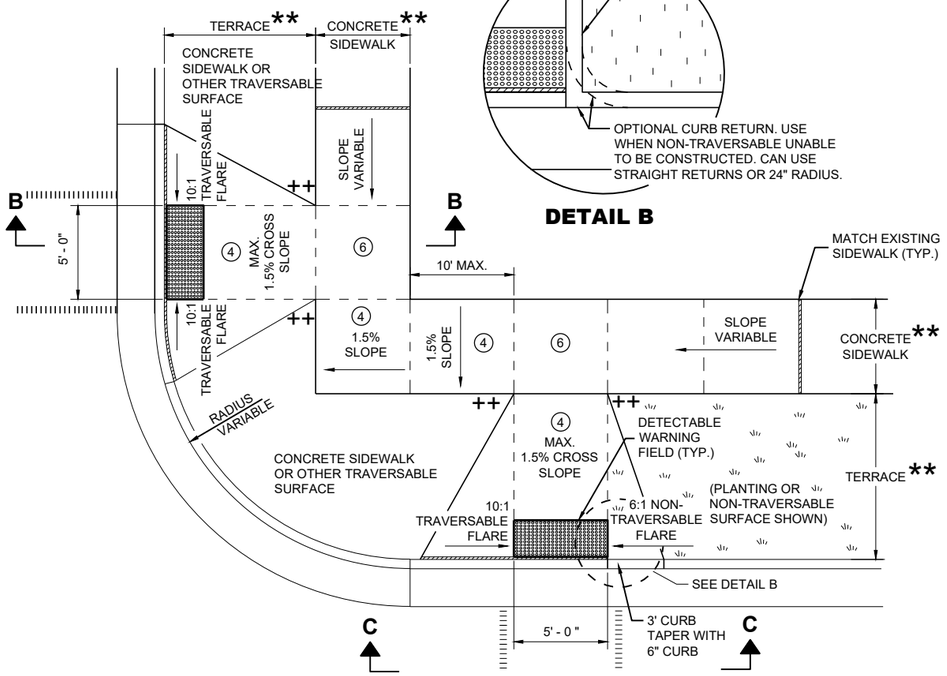
6
SDD 08D05-21a

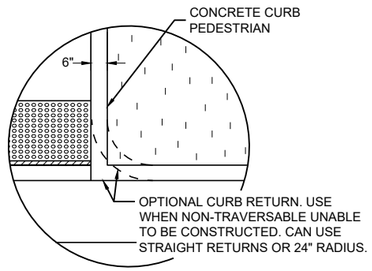


DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)





DETAIL B

PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

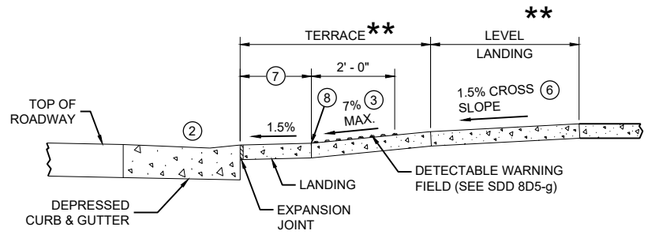
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

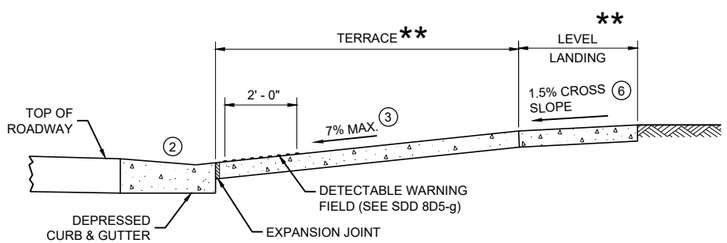


SECTION A - A FOR TYPE 2

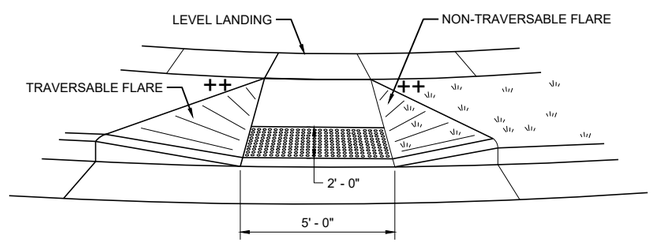
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3

LEGEND

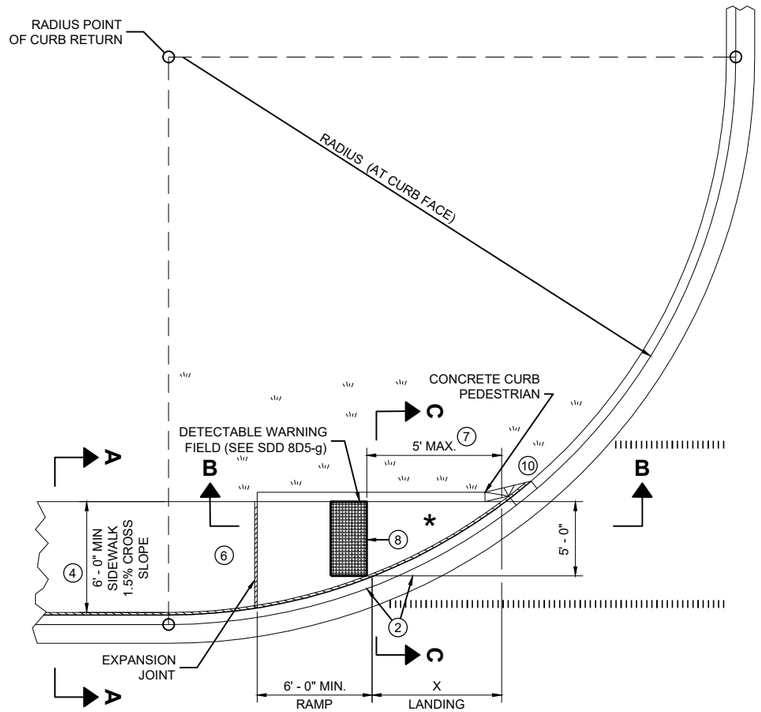
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

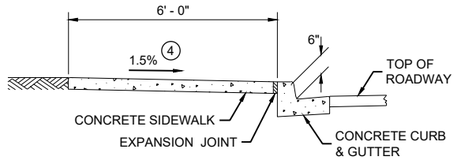


PLAN VIEW

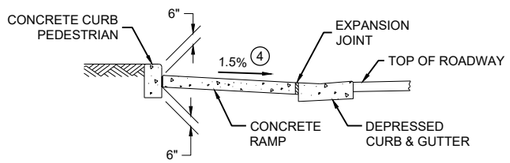
CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"

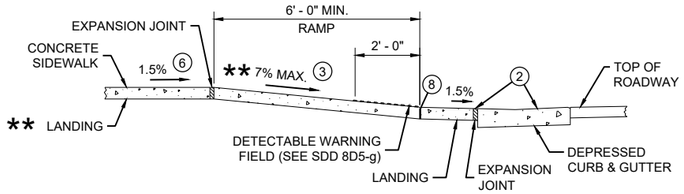
INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

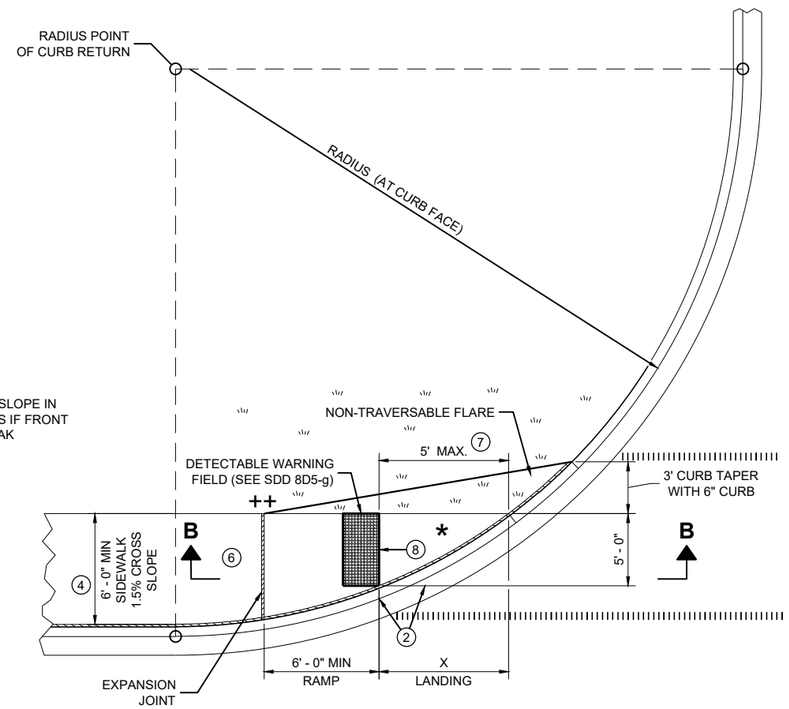


SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED



* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

PLAN VIEW

CURB RAMP TYPE 4A1

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

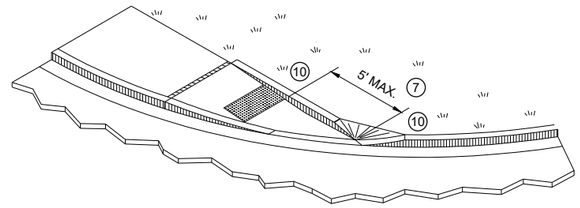
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

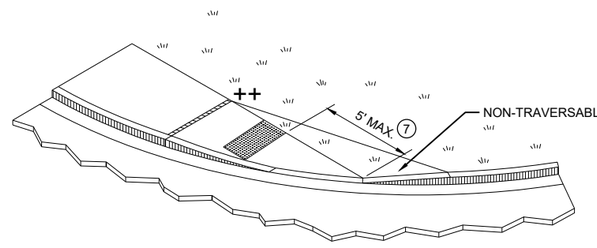
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



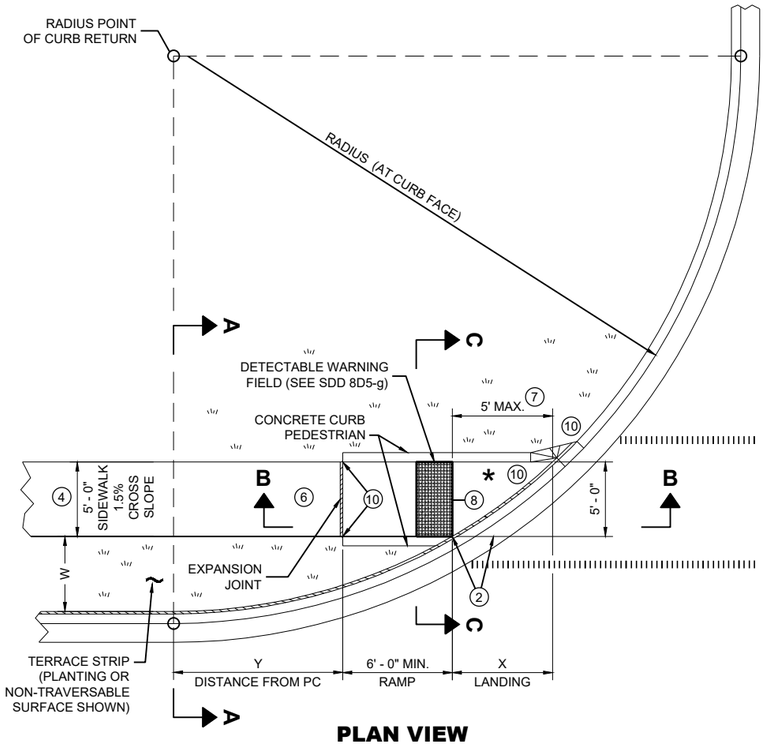
ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

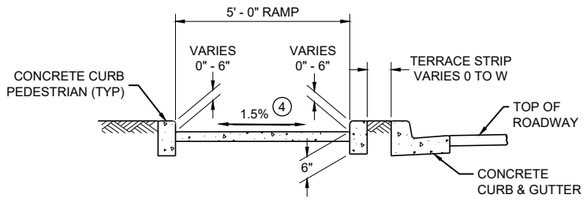
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PLAN VIEW
CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 1/4"	0' - 5"	2' - 1"	1' - 4 1/2"	1' - 5"	2' - 1"	0' - 10"	2' - 7 1/2"	0' - 3 1/4"	3' - 0 1/4"						
15 FEET	4' - 6 3/4"	2' - 1 3/4"	3' - 9"	3' - 5 3/4"	3' - 1 1/4"	4' - 6"	2' - 6 3/4"	5' - 4 1/2"	2' - 1"	6' - 1"	1' - 8"	6' - 8 1/2"	1' - 3 1/4"	7' - 2 1/2"	0' - 10 3/4"	7' - 7 1/4"
20 FEET			4' - 11 1/2"	5' - 1 3/4"	4' - 3 1/4"	6' - 5 1/2"	3' - 8 3/4"	7' - 7"	3' - 3"	8' - 6 1/2"	2' - 10"	9' - 4 1/2"	2' - 5 1/2"	10' - 1 1/4"	2' - 1 1/4"	10' - 9"
30 FEET									4' - 10 3/4"	12' - 5 3/4"	4' - 5 1/2"	13' - 7 3/4"	4' - 0 3/4"	14' - 8 1/2"	3' - 8 1/2"	15' - 8 1/4"
40 FEET															4' - 10 3/4"	19' - 8 1/4"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

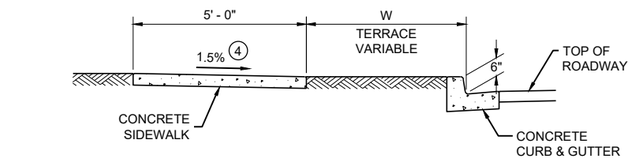
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

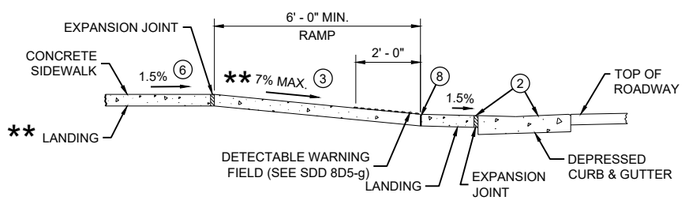
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



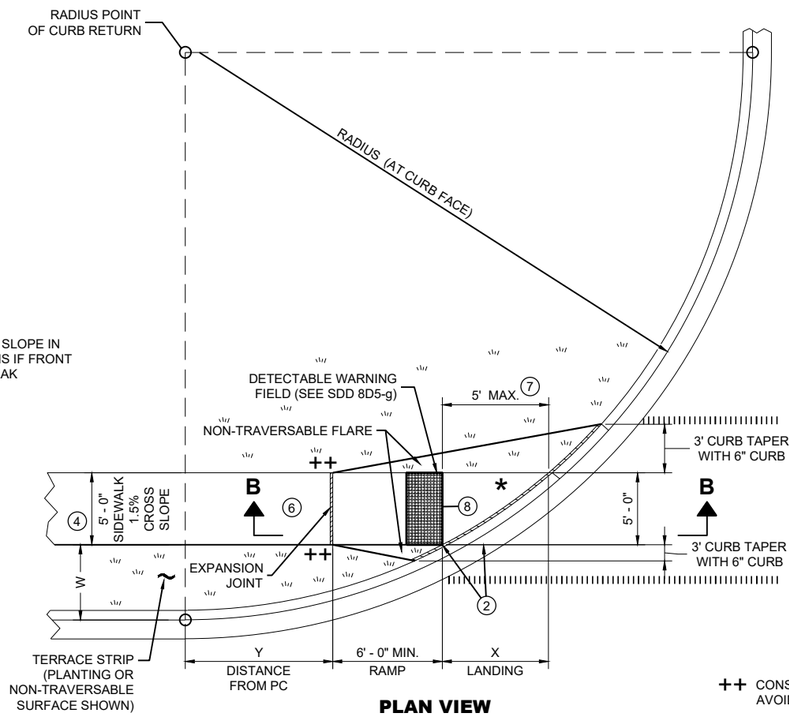
SECTION A - A FOR TYPE 4B



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

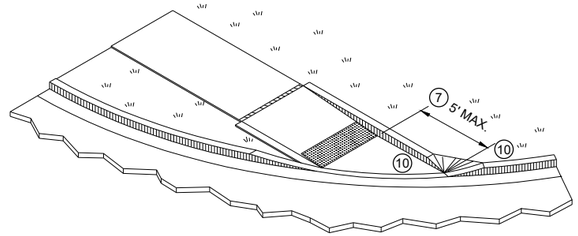
SECTION B - B FOR TYPE 4B AND TYPE 4B1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

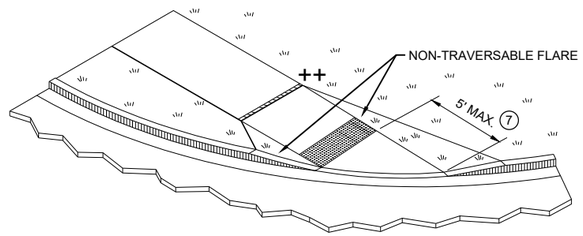


PLAN VIEW
CURB RAMP TYPE 4B1

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



ISOMETRIC VIEW FOR TYPE 4B



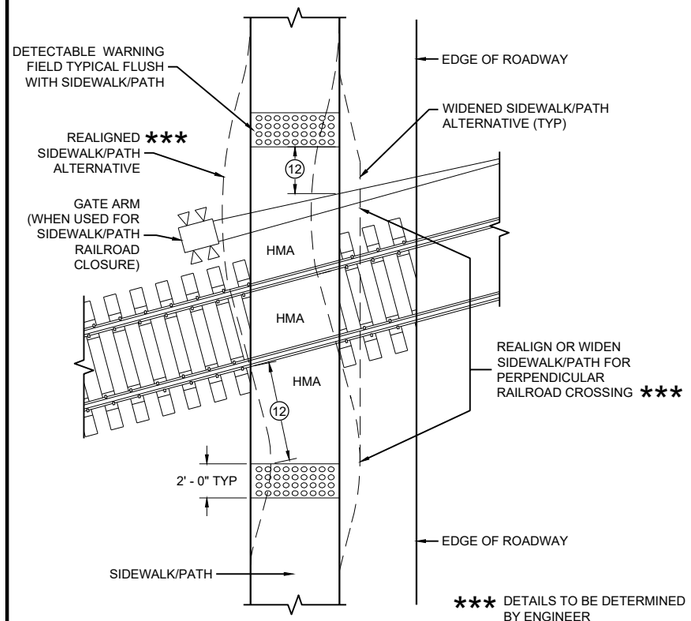
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

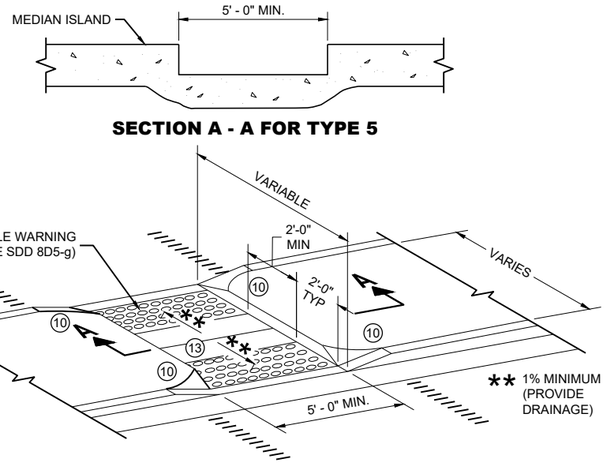
6

SDD 08D05-21d



CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



SECTION A - A FOR TYPE 5

CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

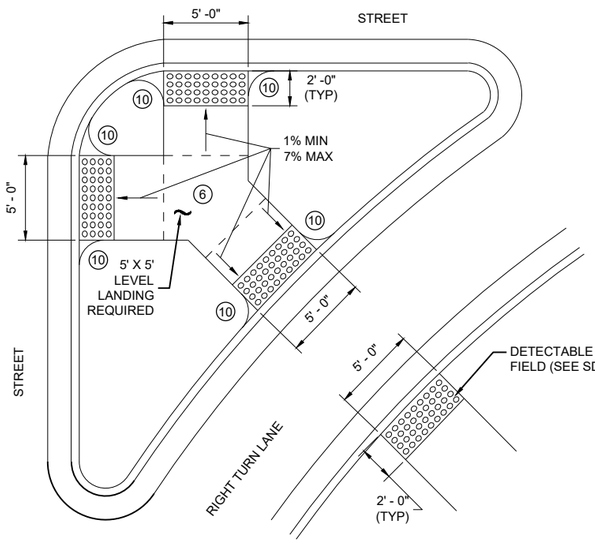
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK/PATH. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD TRACK IS 15 FEET MAXIMUM AND 12 FEET MINIMUM, 15 FEET TYPICAL FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

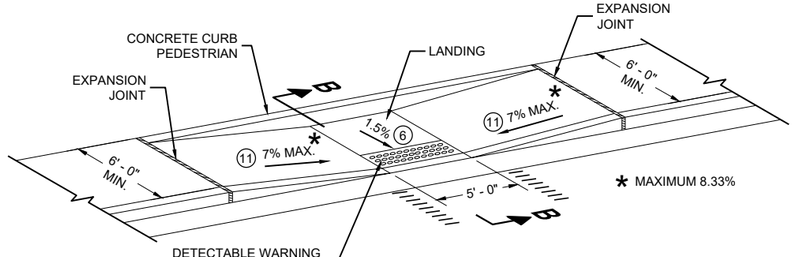
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

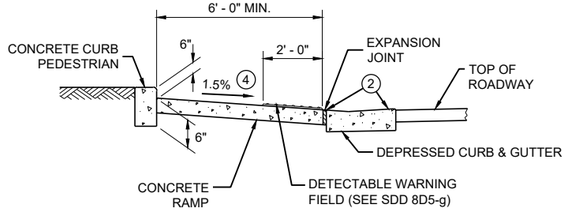
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS

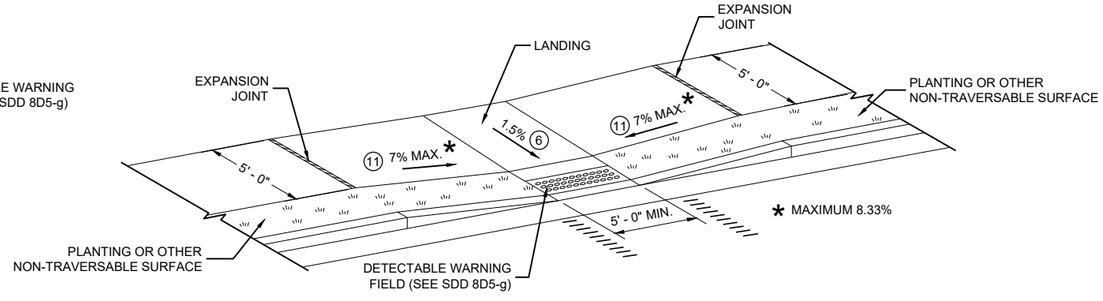


CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS



SECTION B - B FOR TYPE 7A



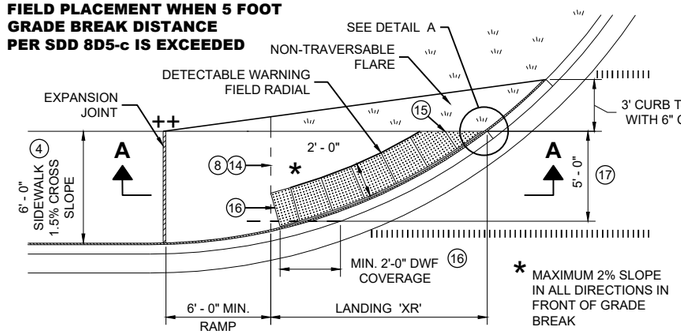
CURB RAMP TYPE 7B

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

CURB RAMPS TYPE 5, 6, 7A, 7B & 8

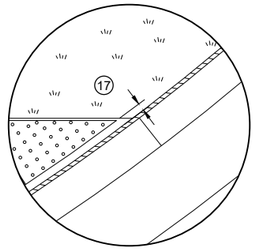
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED

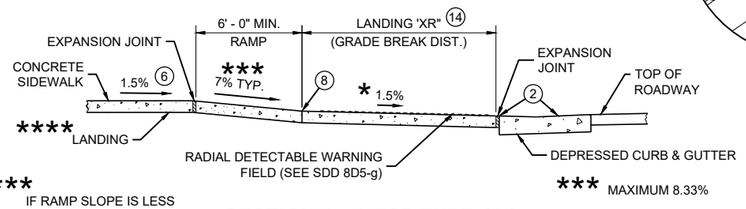


PLAN VIEW

CURB RAMP TYPE 4A1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

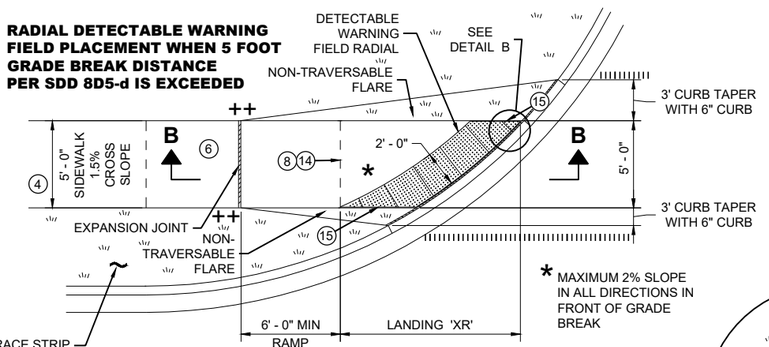
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

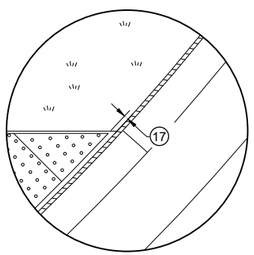
(17) A MAXIMUM 3 INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED

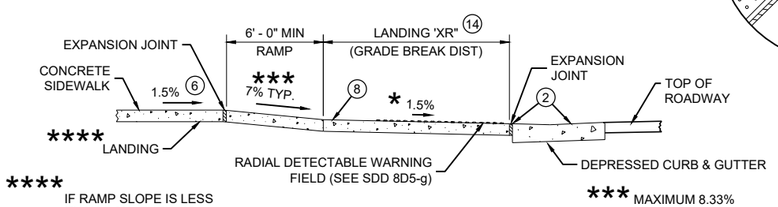


PLAN VIEW

CURB RAMP TYPE 4B1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

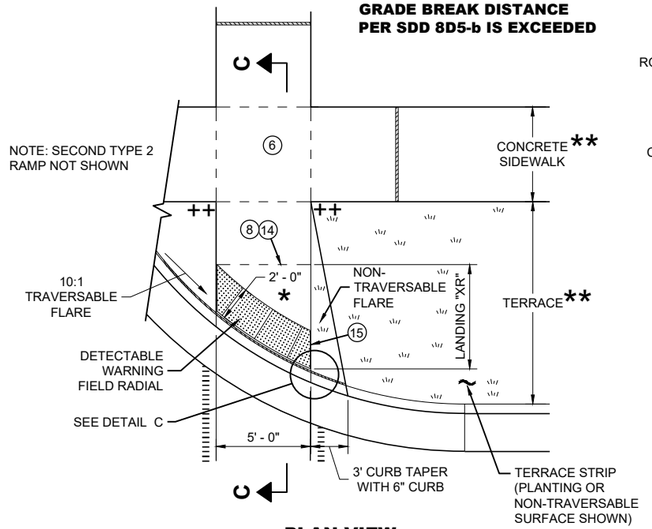


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

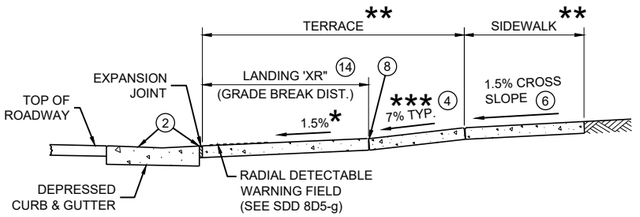
SECTION B - B FOR TYPE 4B1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

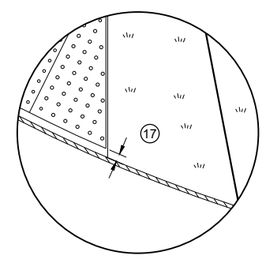


PLAN VIEW

CURB RAMP TYPE 2
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)



SECTION C - C FOR TYPE 2



DETAIL C

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS
RADIAL DETECTABLE WARNING

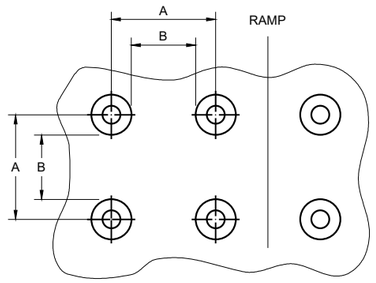
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

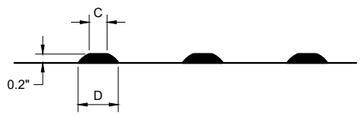
SDD 08D05-21f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

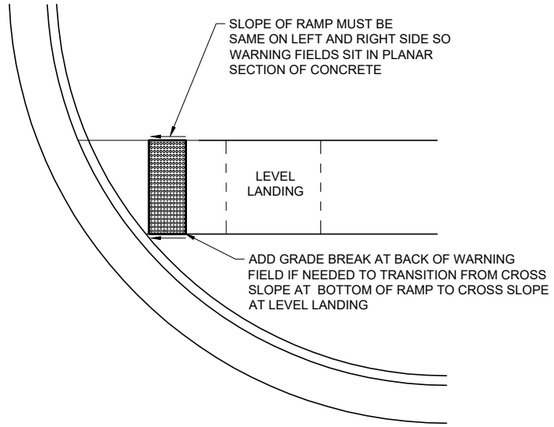
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

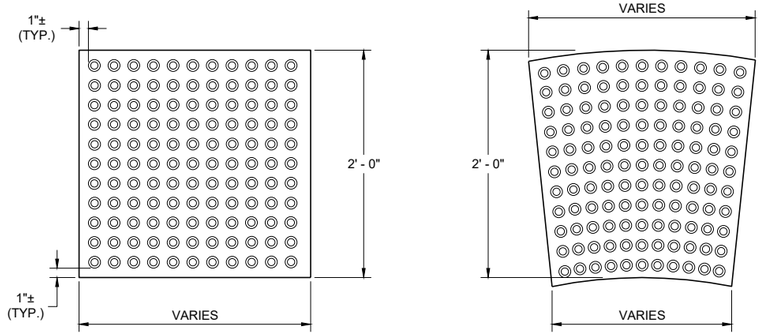
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

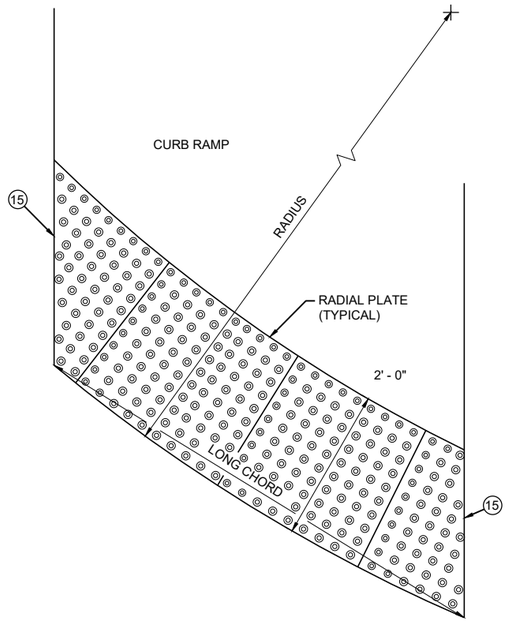
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



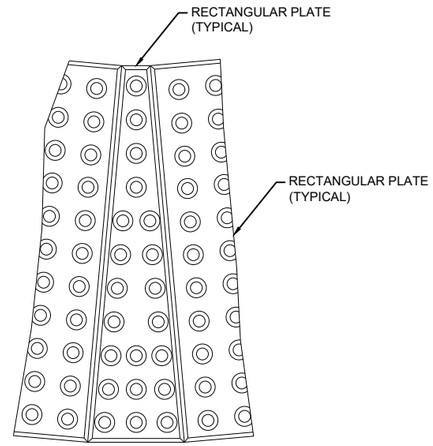
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

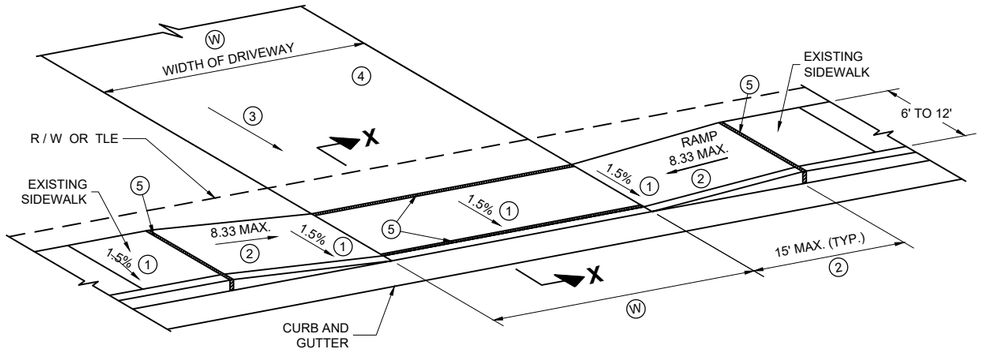
CURB RAMPS
RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

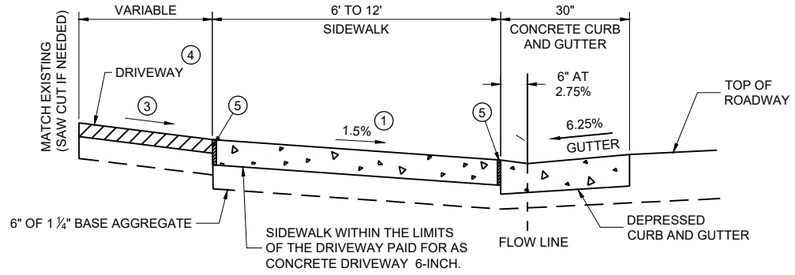
APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

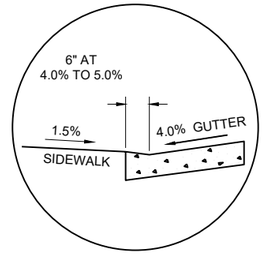
6
SDD 08D05-21g



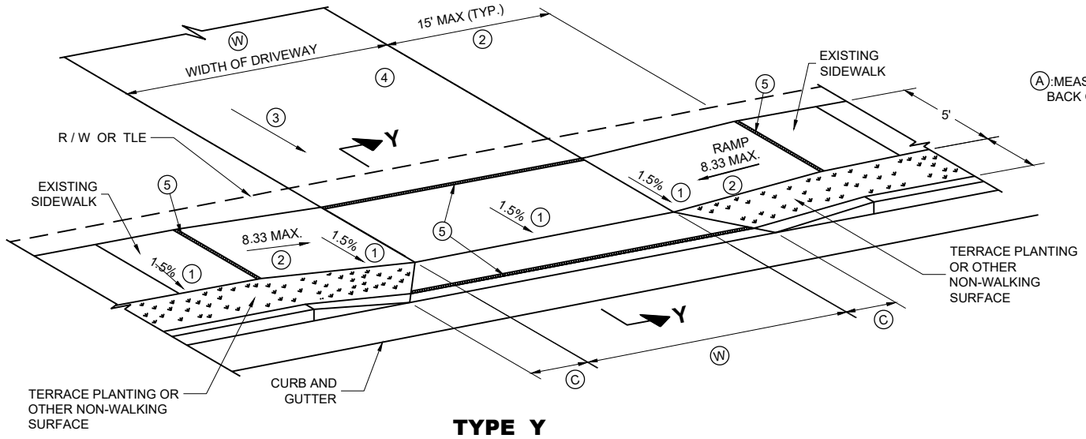
TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X - X



SECTION X - X
4% GUTTER SLOPE



TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

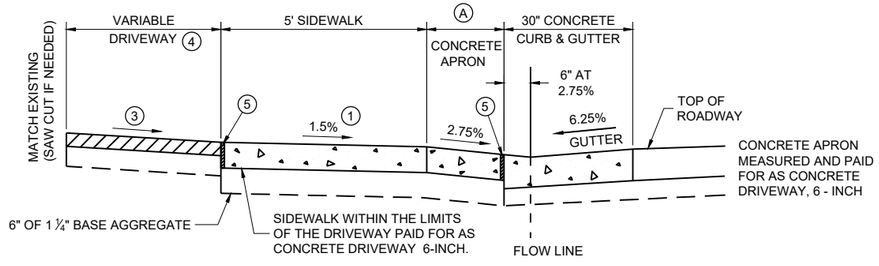
Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)

Ⓐ:MEASURE FROM BACK OF CURB

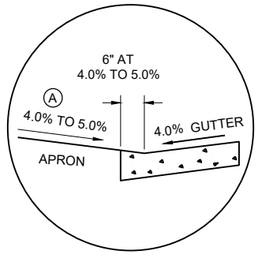
TABLE Y

Ⓐ FEET	Ⓒ FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'



NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y - Y



SECTION Y - Y
4% GUTTER SLOPE

DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER
(URBAN AND SUBURBAN)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

Ⓦ IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

① CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

② THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

③ DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

④ DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

⑤ ½" EXPANSION JOINT FILLER

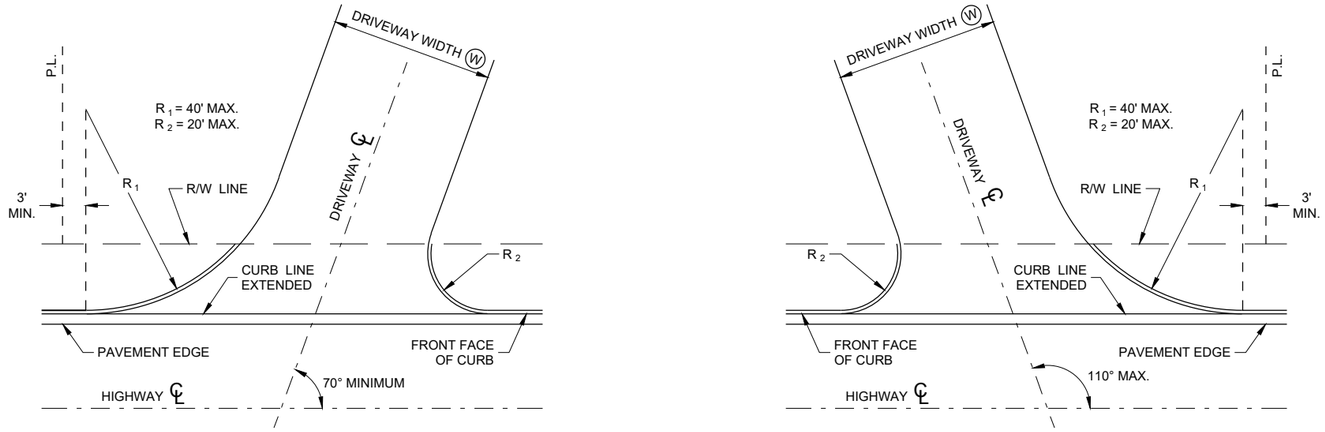
DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

SDD 08D18-04
6



SKEWED DRIVEWAY DETAILS (COMMERCIAL AND NON-COMMERCIAL)

SIDEWALK NOT SHOWN

GENERAL NOTES

A MAXIMUM RADIUS OF 10 FEET SHALL BE USED FOR NON-COMMERCIAL PRIVATE ENTRANCES. RADII FOR COMMERCIAL DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER BASED ON TRAFFIC AND DRIVEWAY PERMIT RESTRICTIONS.

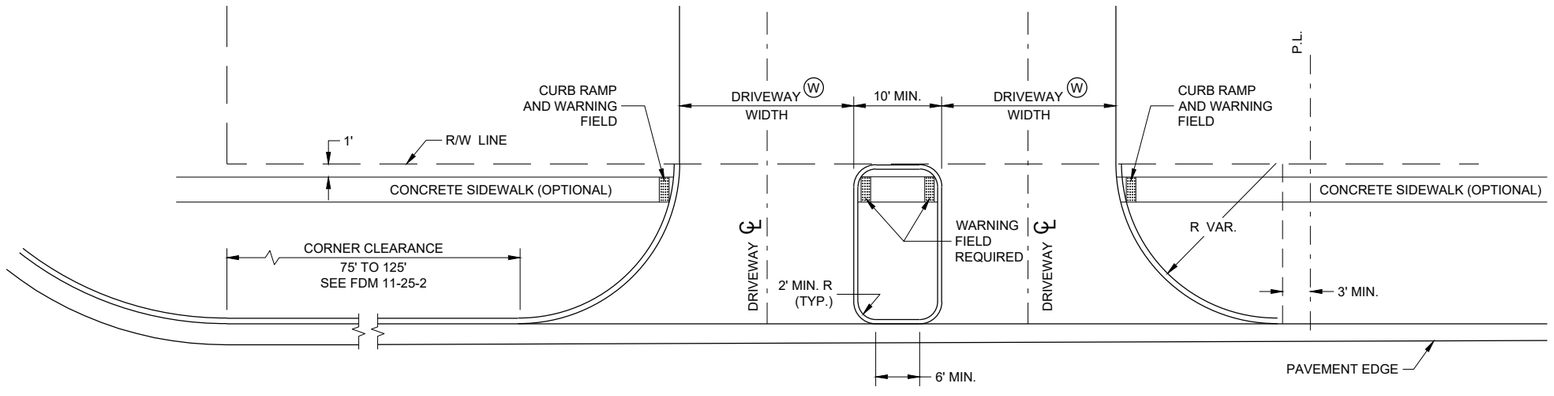
THE MINIMUM ANGLE OF INTERSECTION BETWEEN THE DRIVEWAY AND HIGHWAY CENTERLINES SHALL BE 70°.

ALL CURVILINEAR PRIVATE ENTRANCE OUTLINES SHALL BE CONTAINED WITHIN THE HIGHWAY R/W.

NO DRIVEWAY SHALL BE BUILT WITHIN 3 FEET OF THE PROPERTY LINE EXCEPT FOR EXISTING JOINT DRIVEWAY SHARED BY TWO OWNERS.

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)



DRIVEWAY LOCATION AND SPACING DETAILS

SIDEWALK SHOWN

DRIVEWAYS WITH CURB AND GUTTER RETURNS

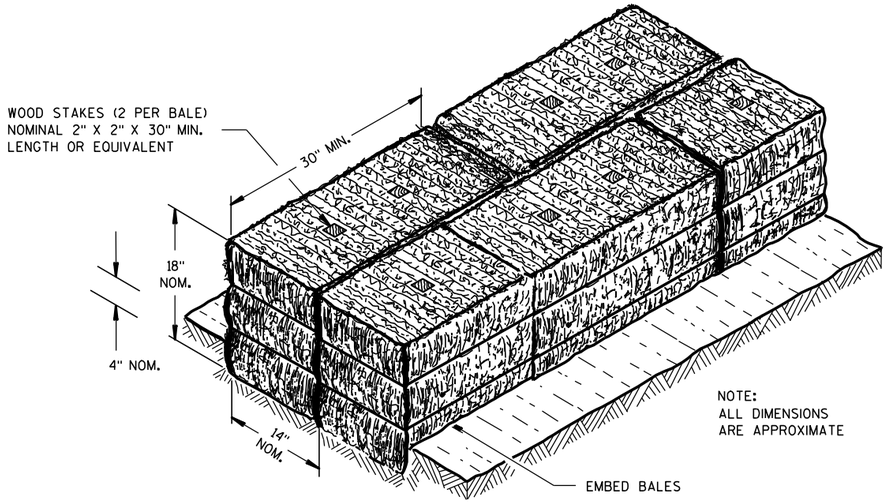
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
00-00-00 — DATE
/S/ <AUTHOR> — ROADWAY STANDARDS DEVE ENGINEER

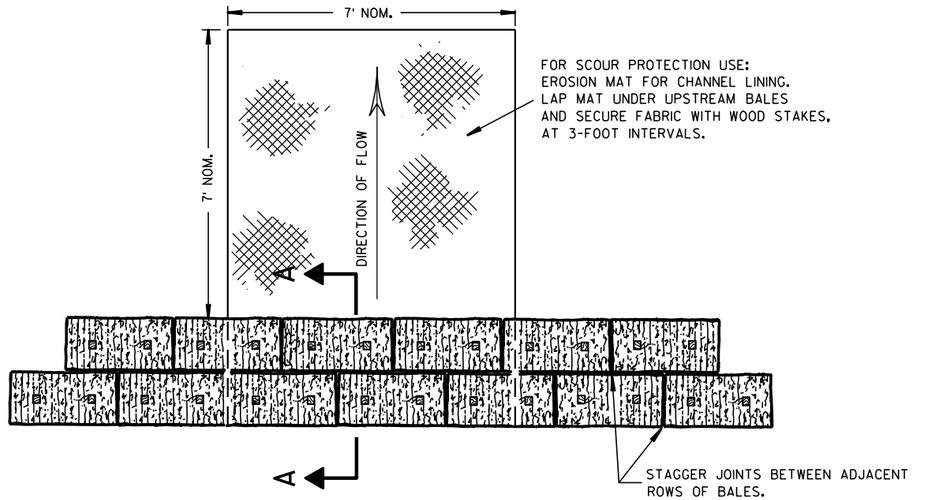
FHWA

SDD 08D20 - 01

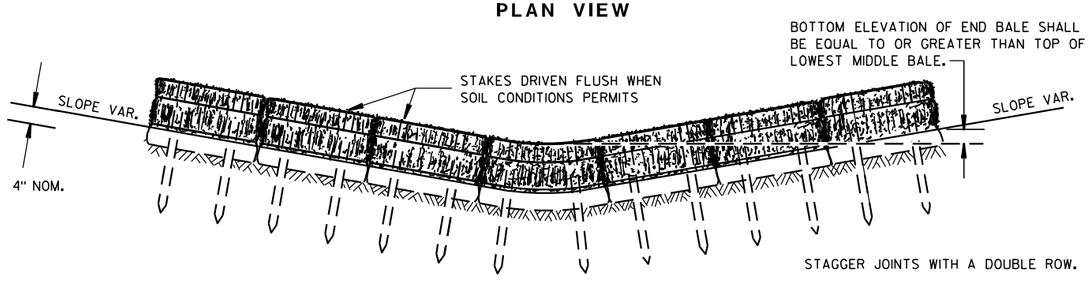
SDD 08D20 - 01



SECTION A-A



PLAN VIEW



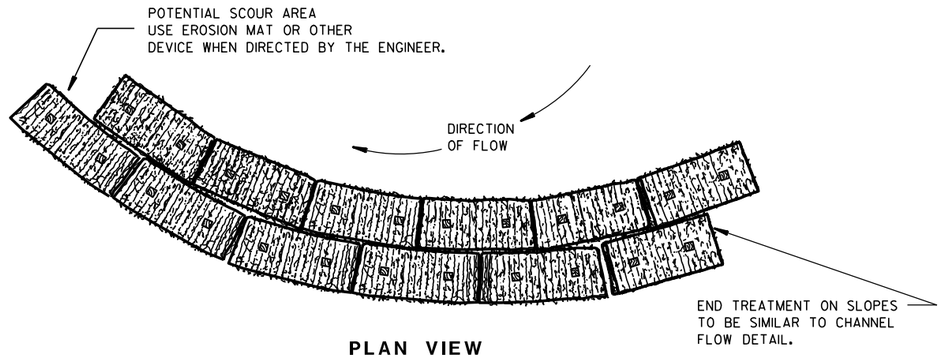
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

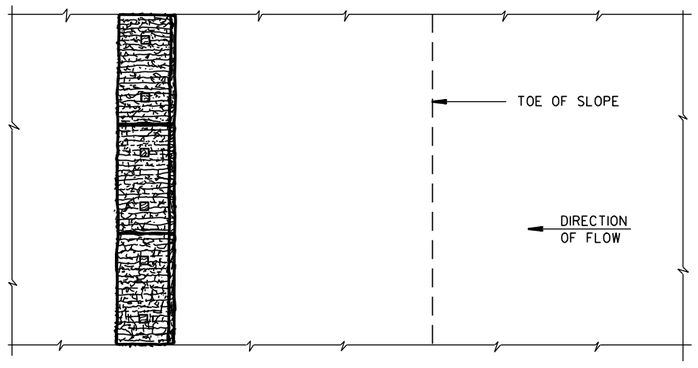
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

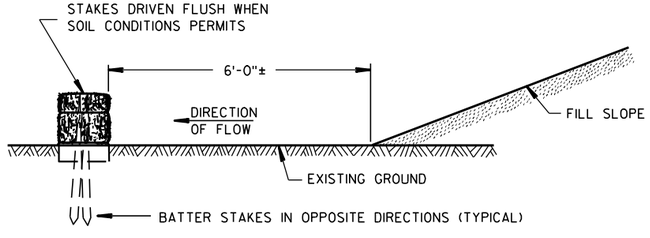


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

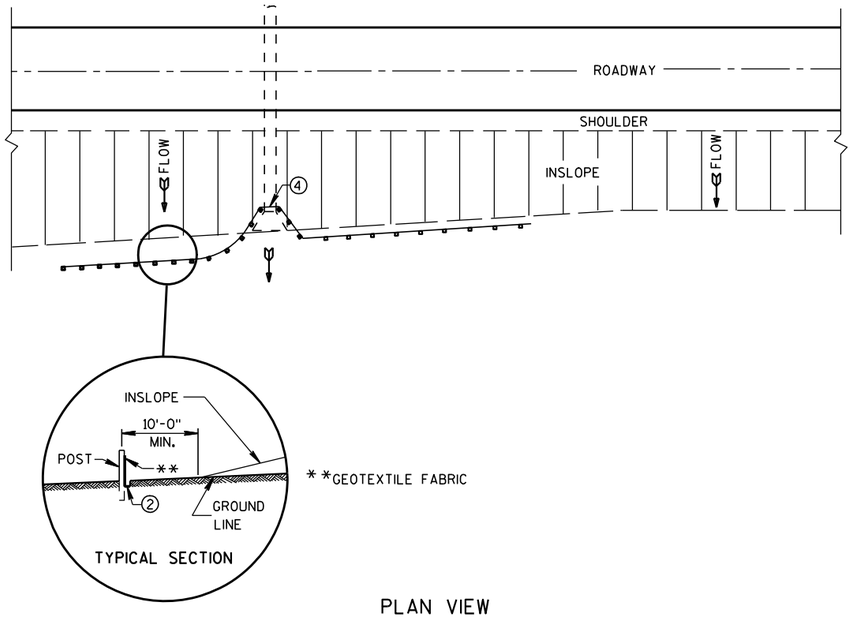
APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

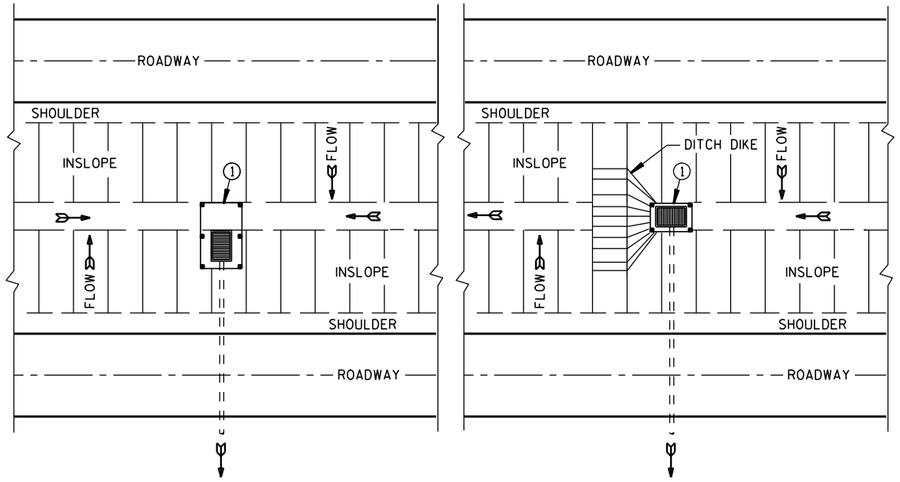
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



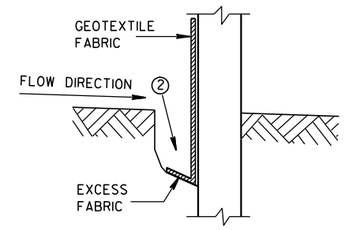
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

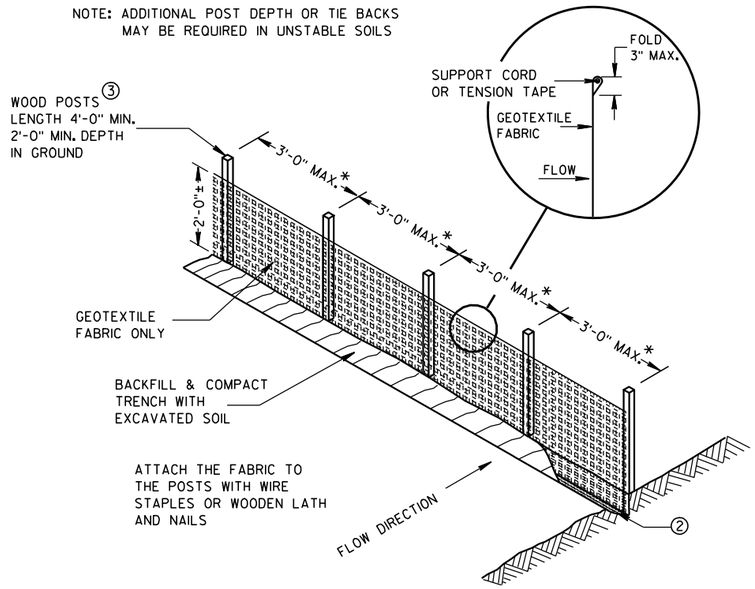
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

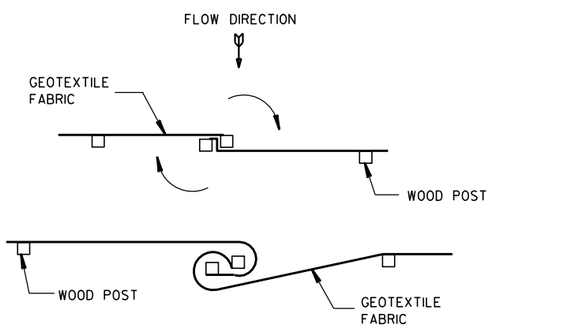


TRENCH DETAIL

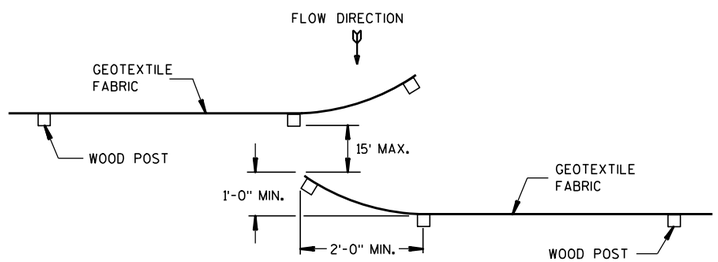


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

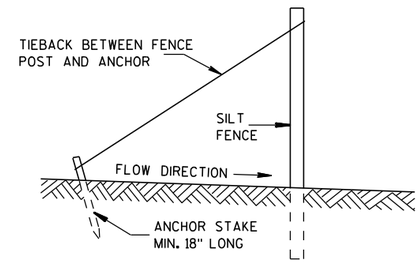


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

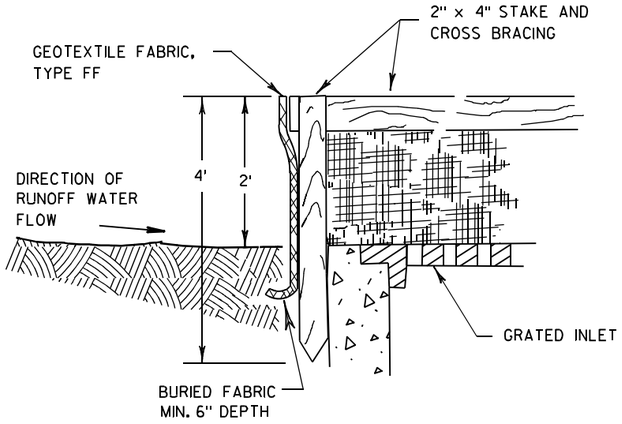
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

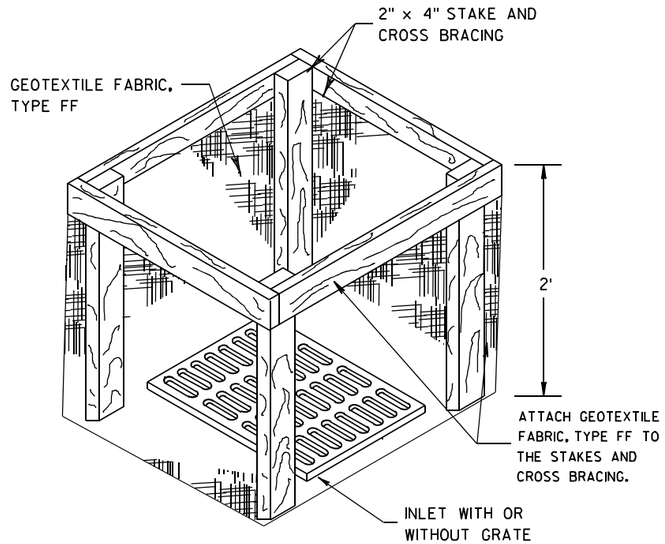
6

S.D.D. 8 E 9-6

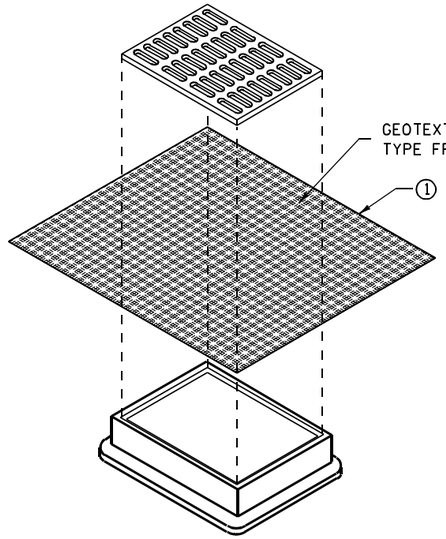
6

S.D.D. 8 E 9-6



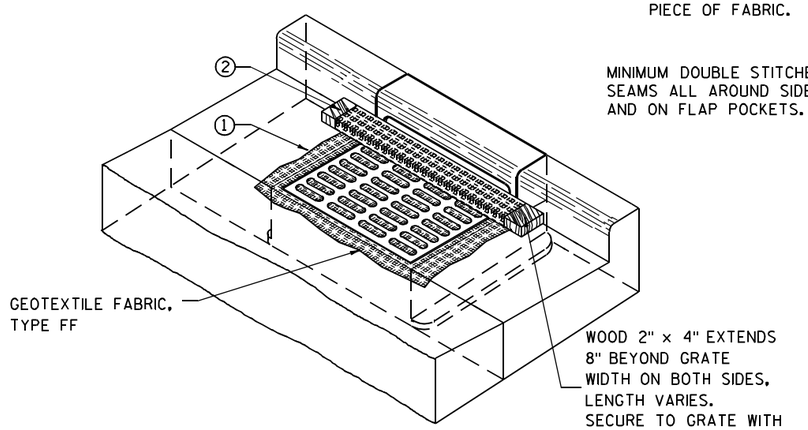


INLET PROTECTION, TYPE A

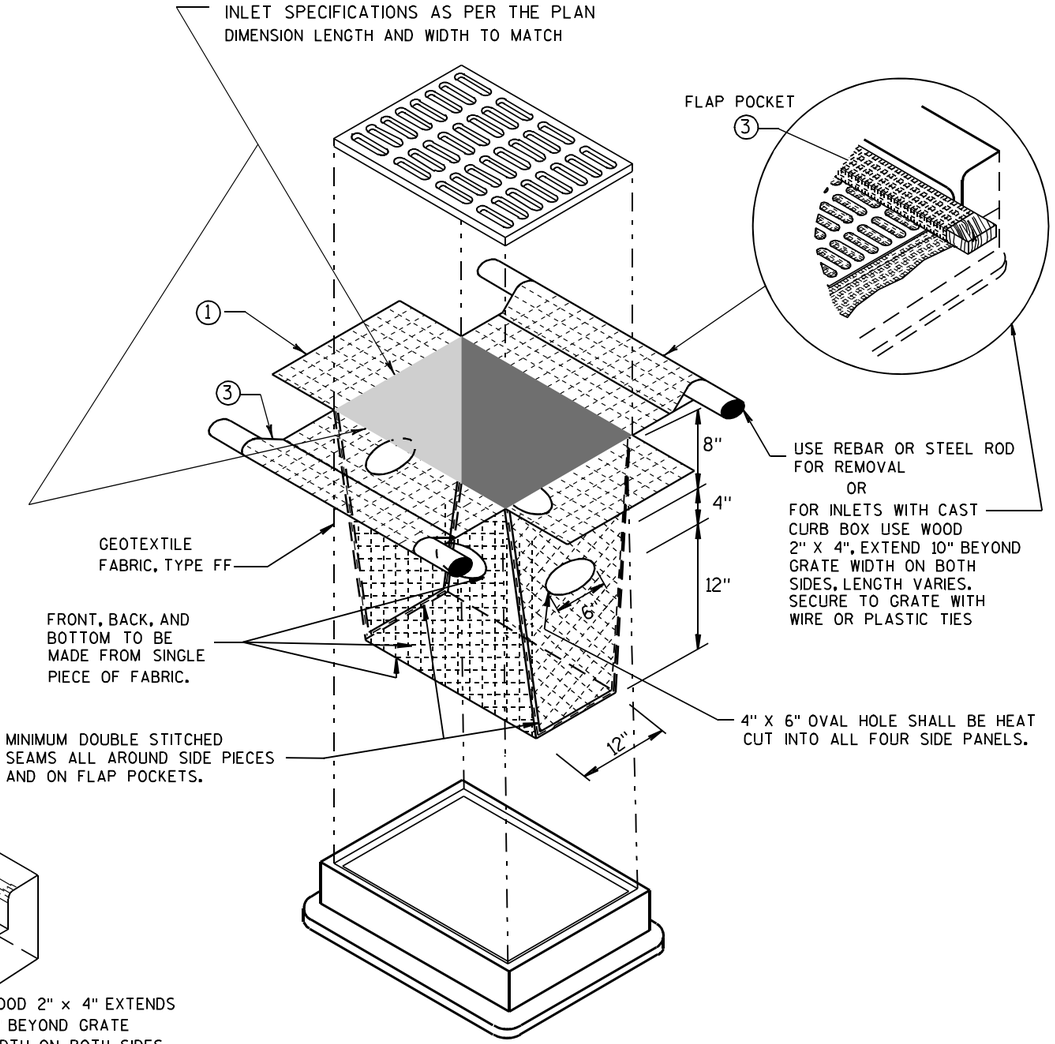


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

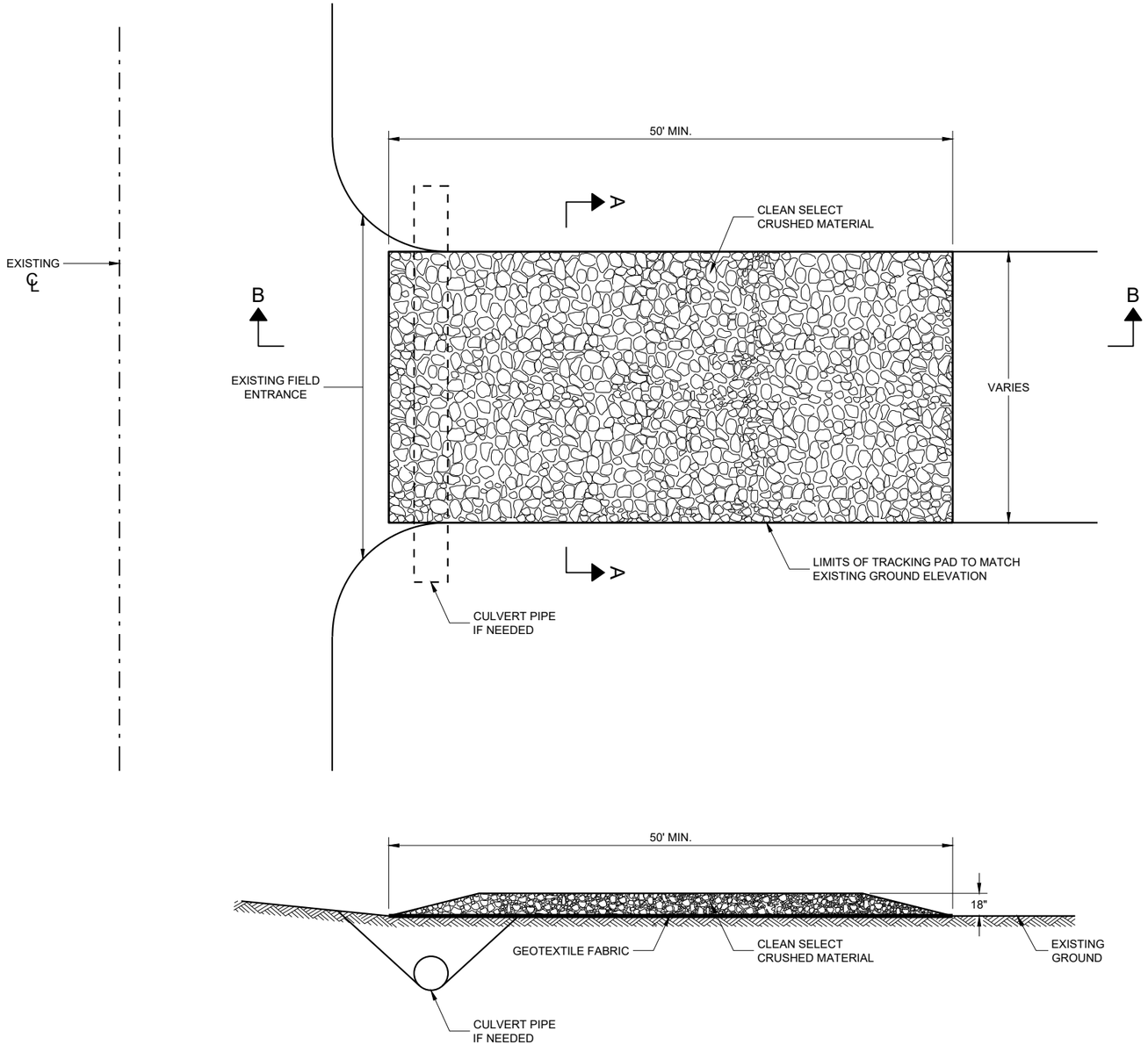
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

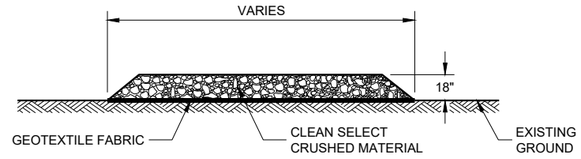
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

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SDD 08E14 - 01

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

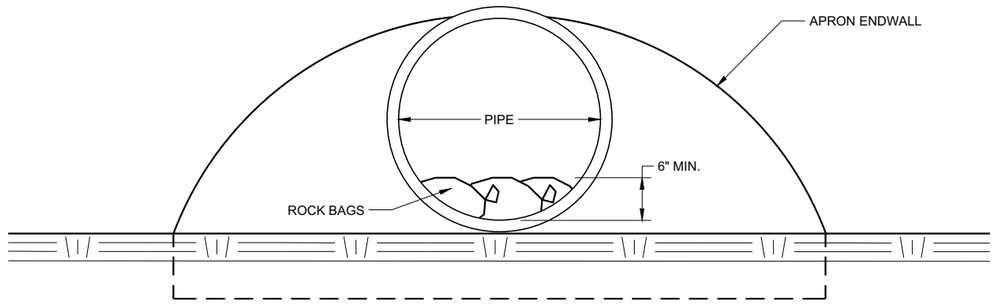
3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

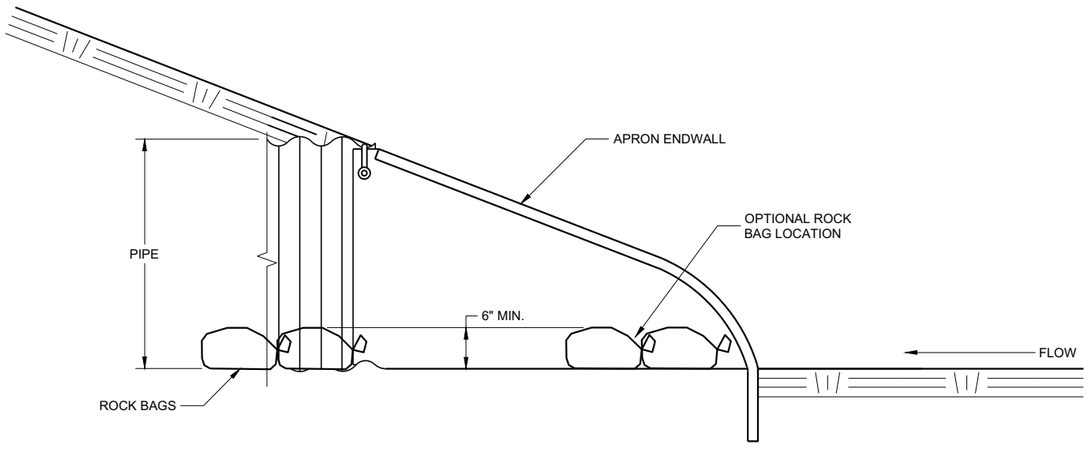
FHWA

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SDD 08E14 - 01



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2019 DATE	/S/ Daniel Schave EROSION CONTROL ENGI
FHWA	

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SDD 08E15 - 01

METAL APRON ENDWALLS

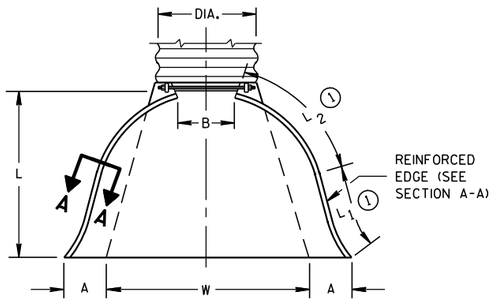
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

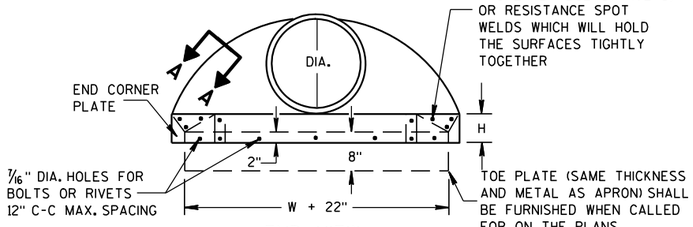
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

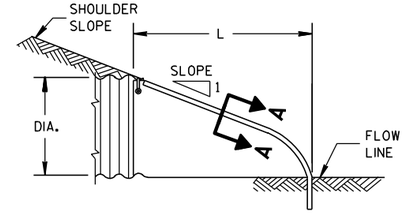
*MINIMUM
**MAXIMUM



PLAN VIEW

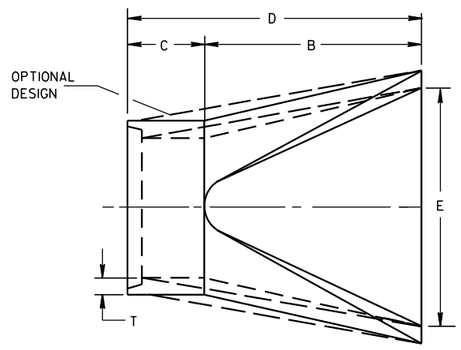


END VIEW

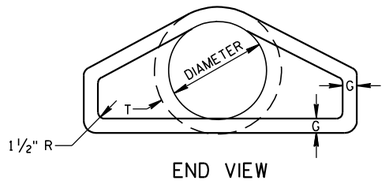


SIDE ELEVATION

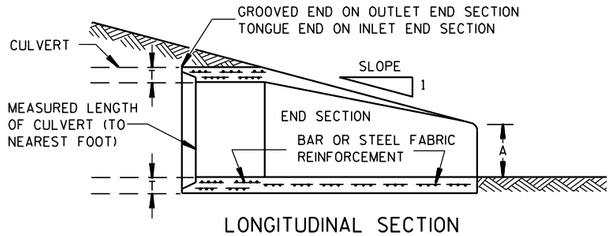
METAL ENDWALLS



PLAN

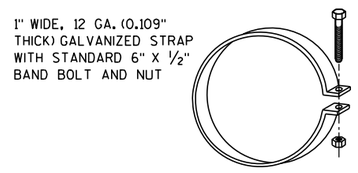


END VIEW



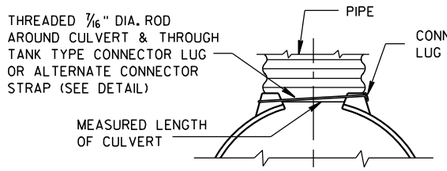
LONGITUDINAL SECTION

CONCRETE ENDWALLS

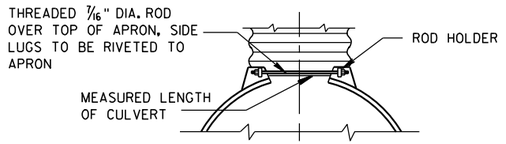


ALTERNATE FOR TYPE 1 CONNECTION

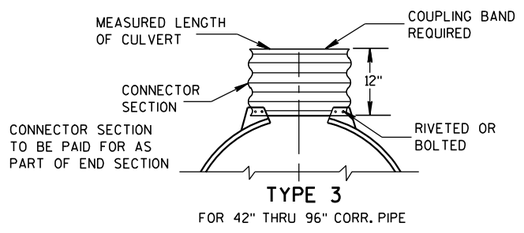
END SECTION CONNECTOR STRAP



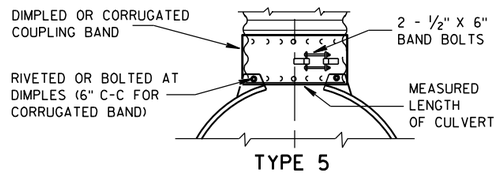
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

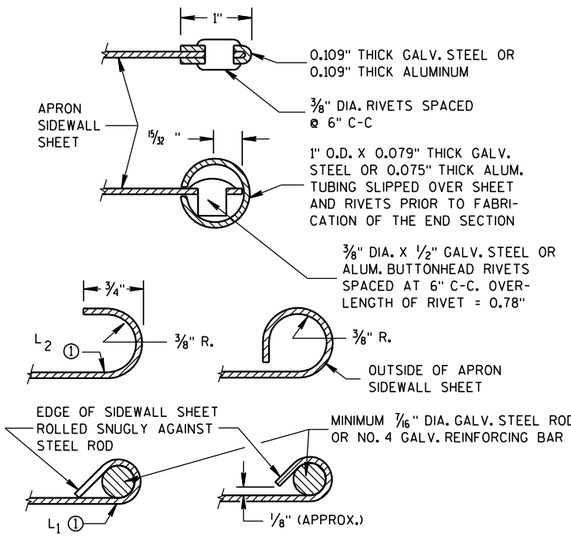
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

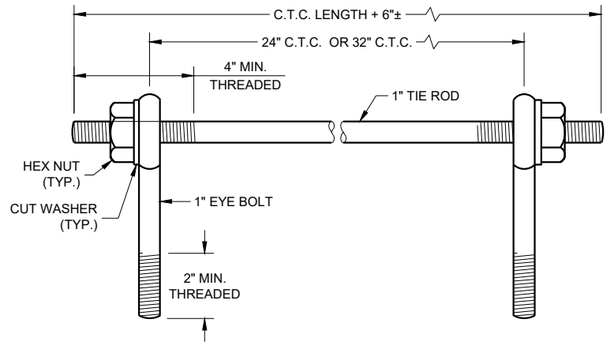
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

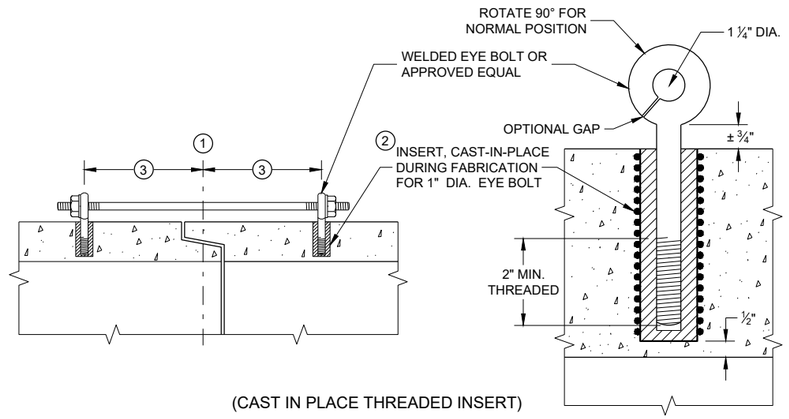
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

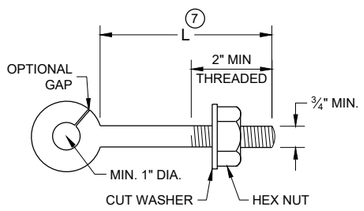
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

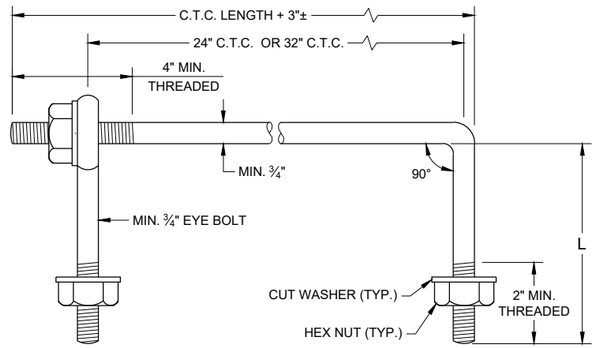
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

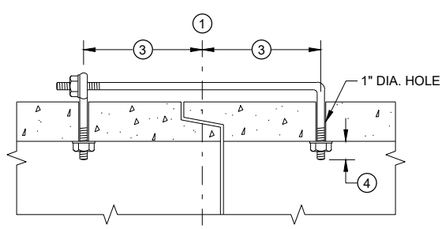


EYE BOLT (7)

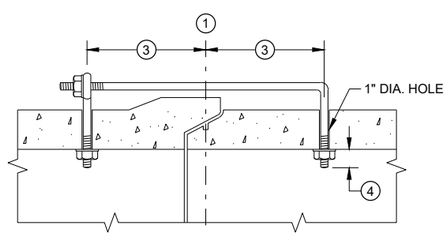
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

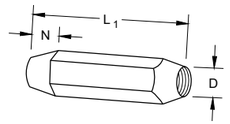
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

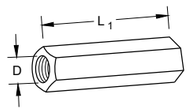
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



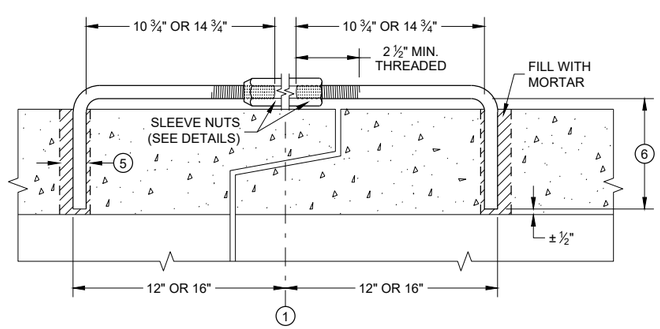
TAPERED



PLAIN

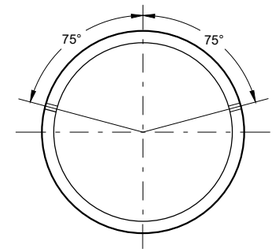
RIGHT AND LEFT THREADS

SLEEVE NUTS



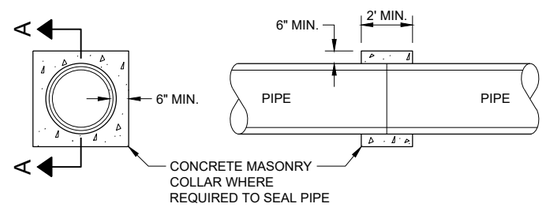
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

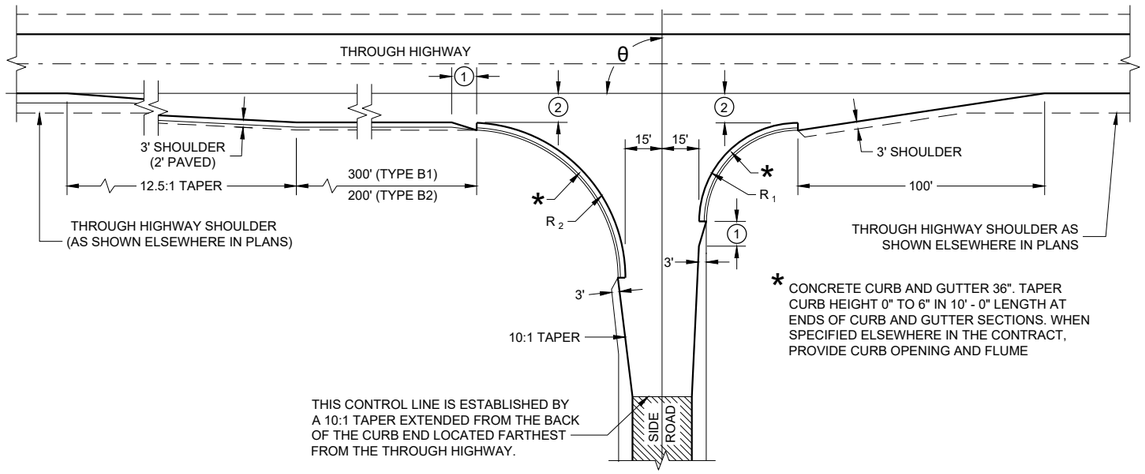
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

SDD 08F04 - 08

SDD 08F04 - 08



* CONCRETE CURB AND GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10' - 0" LENGTH AT ENDS OF CURB AND GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME

TYPE "B1" AND "B2"

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65 - 70	35	70
71 - 80	40	70
81 - 90	40	60
91 - 100	50	55
101 - 110	60	45

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

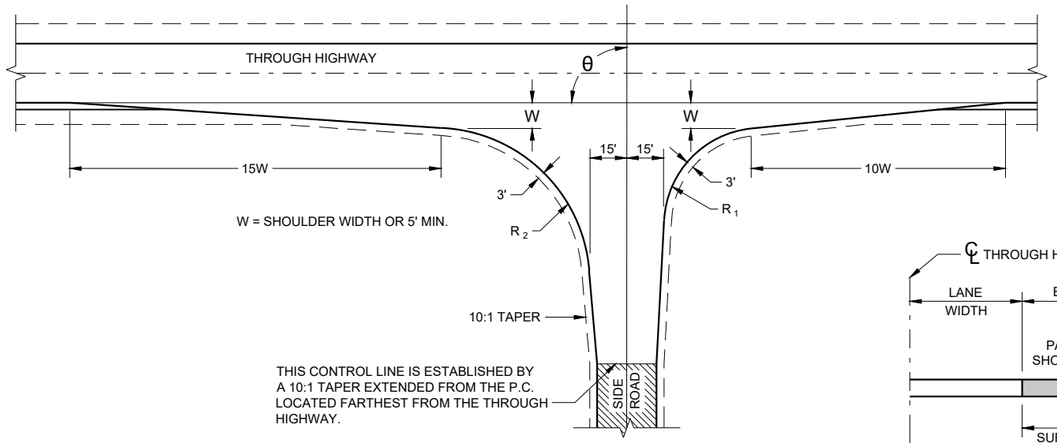
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

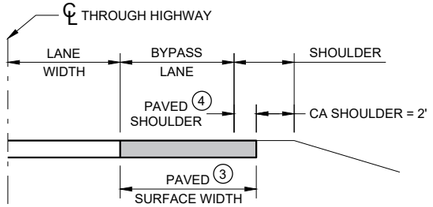
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
- ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH
- PC CONCRETE = 13-FT PLUS PAVED SHOULDER WIDTH

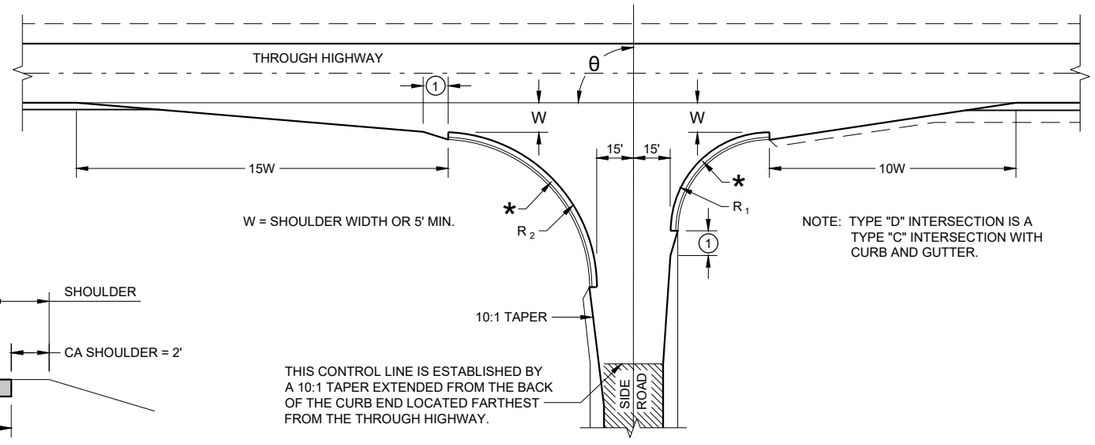
(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



TYPE "C"

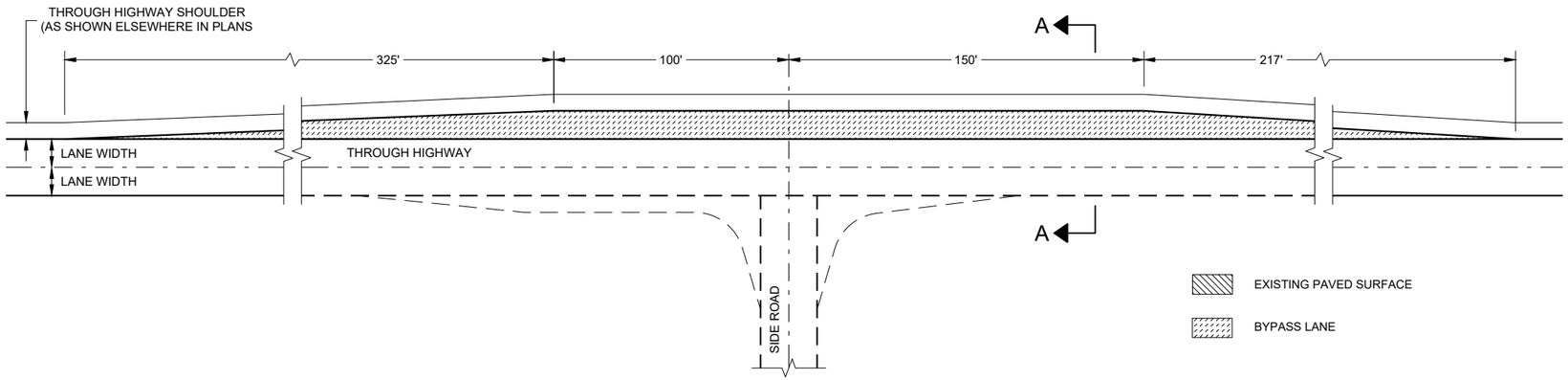


SECTION A - A
(SHOWING BYPASS LANE AND SHOULDER)



NOTE: TYPE "D" INTERSECTION IS A TYPE "C" INTERSECTION WITH CURB AND GUTTER.

TYPE "D"



TEE INTERSECTION BYPASS LANE DETAIL

AT GRADE SIDE ROAD INTERSECTION TYPES "B1", "B2", "C", "D" AND TEE INTERSECTION BYPASS LANE

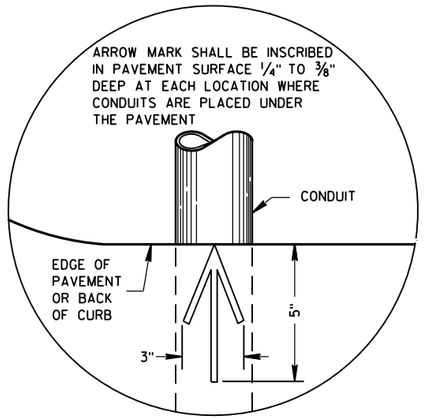
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 09A01 - 14a

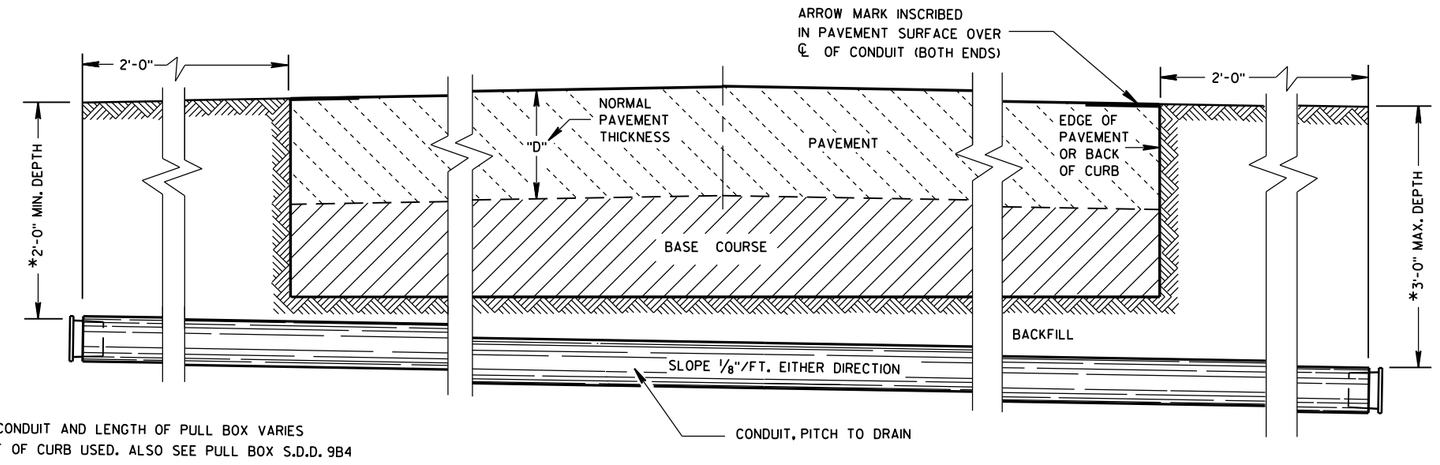
6

SDD 09A01 - 14a



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

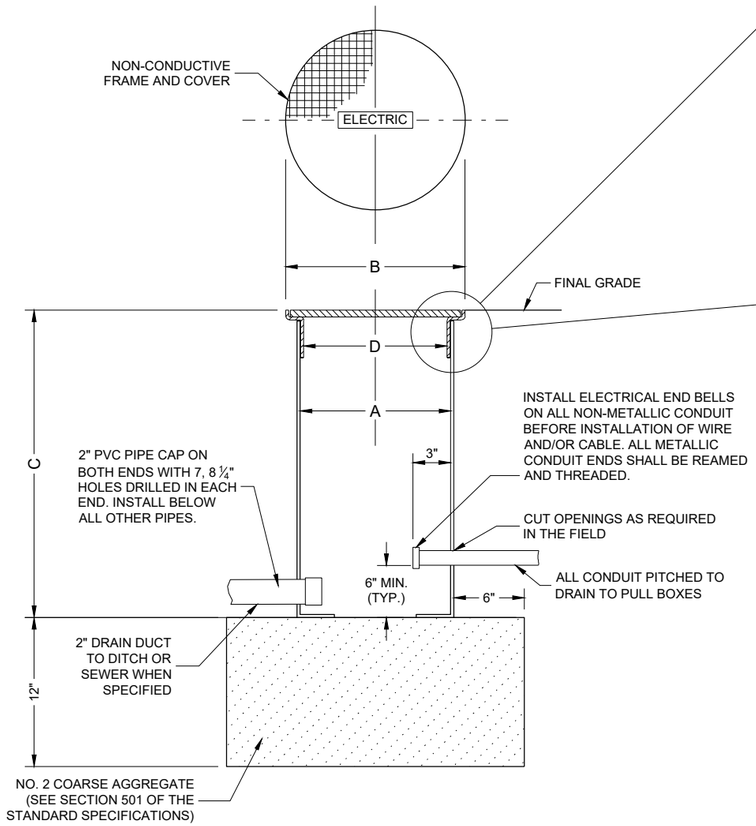
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

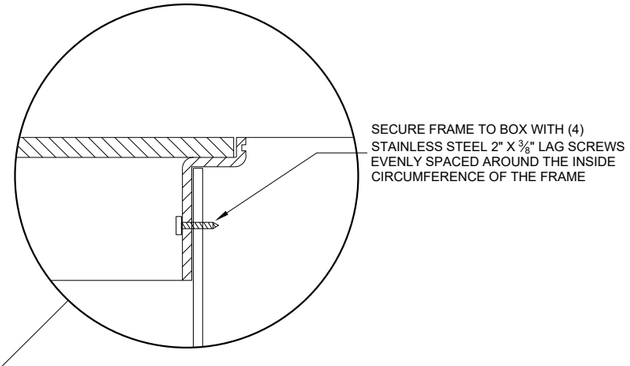
DIMENSION IN INCHES		NON- CONDUCTIVE PULL BOX	
BOX DIAMETER ** (INSIDE)	A	24	24
BOX OVERALL OUTSIDE DIAMETER	B	27	27
BOX LENGTH	C	36	42
FRAME OPENING	D	22 ½	22 ½
WEIGHT IN POUNDS *			
COVER		50	50
BOX ONLY		75	85

* THE ACTUAL WEIGHT OF THE COVER OR BOX ONLY MAY VARY NOT TO EXCEED 100 LBS INDIVIDUALLY.

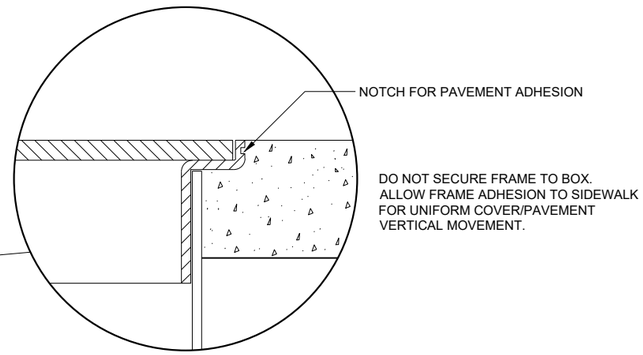
** DIAMETER VARIES FROM TOP TO BOTTOM WITH THE DIAMETER LARGER AT THE BOTTOM TO PREVENT FROST HEAVE.



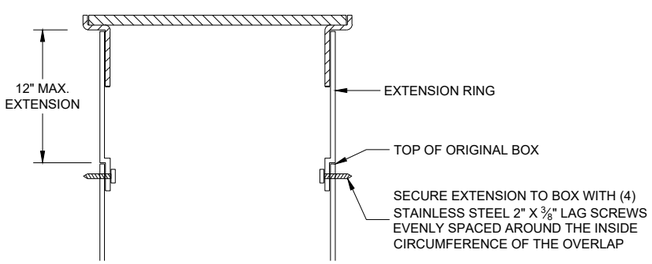
NON-CONDUCTIVE PULL BOX



INSTALLED IN SOD OR CRUSHED AGGREGATE



INSTALLED IN SIDEWALK



BOX EXTENSION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL BOXES, FRAMES AND COVERS SHALL BE SUITABLE FOR TIER 15 LOADING AS SPECIFIED IN ANSI/SCTE 77.

PROVIDE AN OPENING FOR TOOL ASSISTED COVER REMOVAL NOT LARGE ENOUGH TO PERMIT PASSAGE OF A SPHERE MORE THAN ½" DIAMETER

ENSURE COVER SURFACE IS SKID RESISTANT WITH A COEFFICIENT OF FRICTION OF AT LEAST 0.5 AND VERTICAL SURFACE DICONTINUITIES LESS THAN ¼".

COVER SHALL BE MAGNETICALLY LOCATABLE.

BOXES AND EXTENSIONS ARE TRIMMABLE FOR CUSTOM LENGTHS. TRIMMED PIECES SHALL MAINTAIN A UNIFORM LENGTH.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

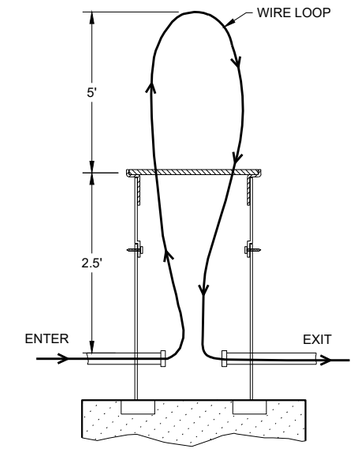
THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

ENTIRE BOX MUST BE CONSTRUCTED OF NON-CONDUCTIVE MATERIALS WITH THE EXCEPTION OF STAINLESS STEEL FASTENERS AND MAGNETIC LOCATABLE DEVICE.

WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE.

LABEL ON COVER SHALL READ "ELECTRIC" FOR SIGNAL AND LIGHTING SYSTEMS, "WISDOT ITS" FOR COMMUNICATIONS AND ITS EQUIPMENT SYSTEMS.



MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

PULL BOXES NON-CONDUCTIVE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

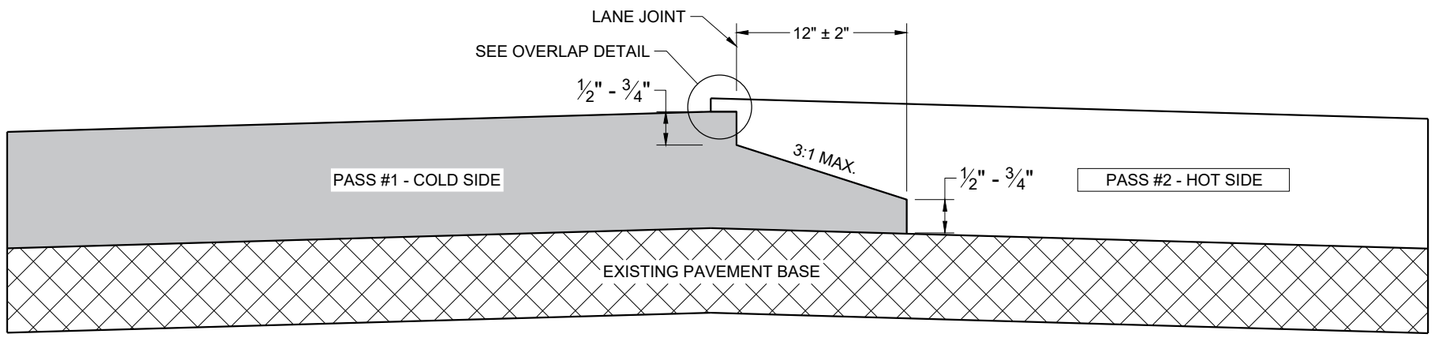
APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

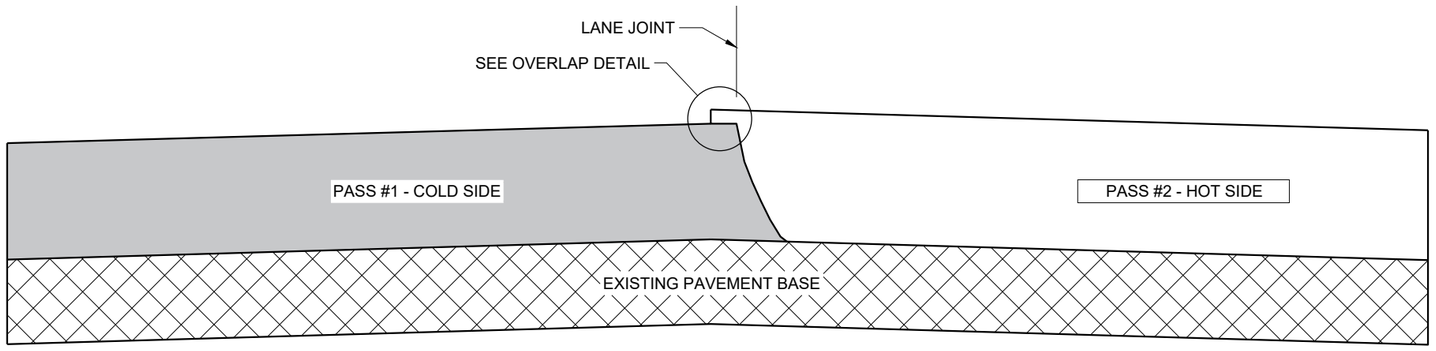
FHWA

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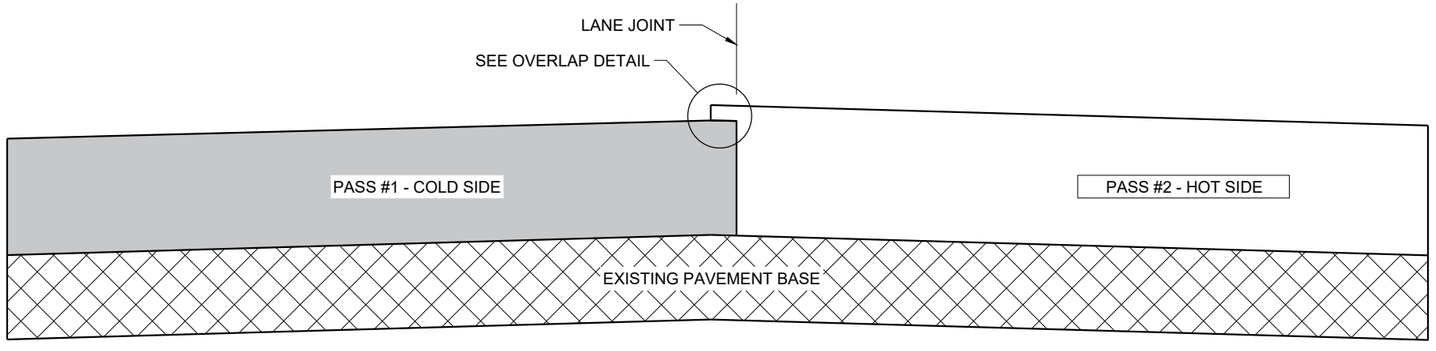
SDD 09B16 - 02



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

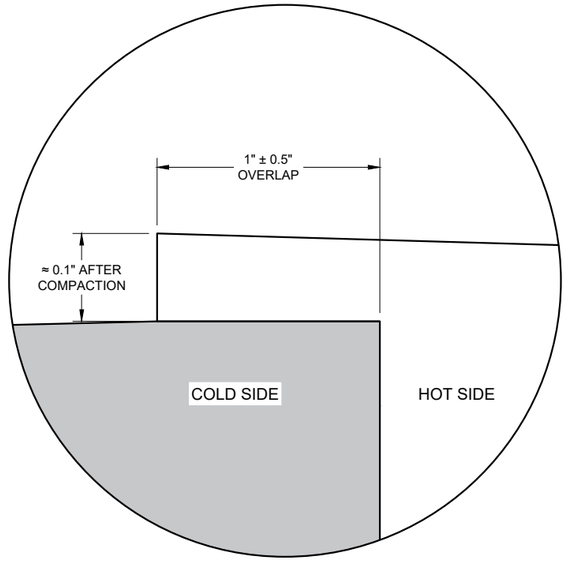
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

HMA LONGITUDINAL JOINTS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2020 DATE	/S/ Steven Hefel HMA PAVEMENT ENGIN

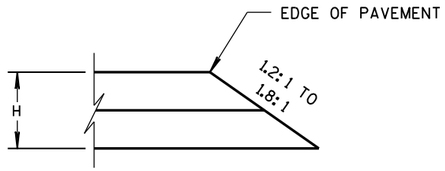
FHWA

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SDD 13C19 - 03

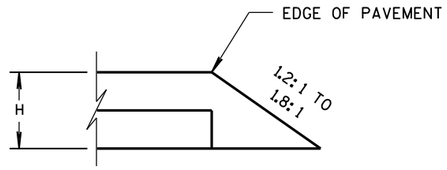
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SDD 13C19 - 03



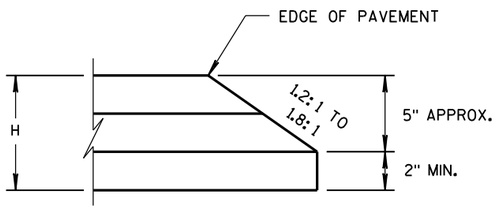
CONSTRUCTED WITH FINAL TWO LAYERS

FOR H 5" OR LESS



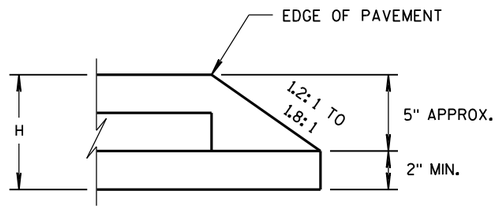
CONSTRUCTED WITH FINAL LAYER

FOR H 5" OR LESS



CONSTRUCTED WITH FINAL TWO LAYERS

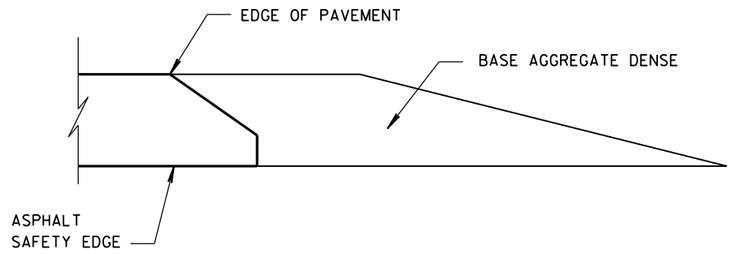
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER

FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

6

6

S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE SM

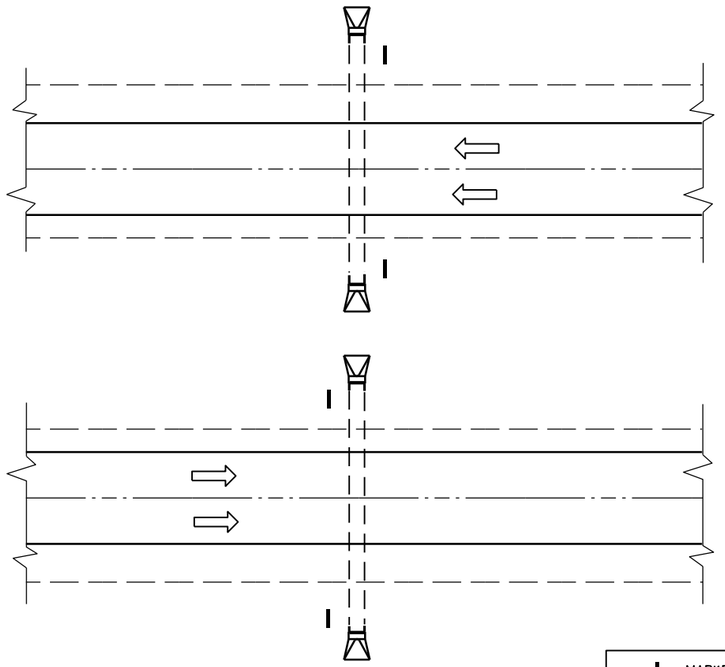
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/2012
DATE

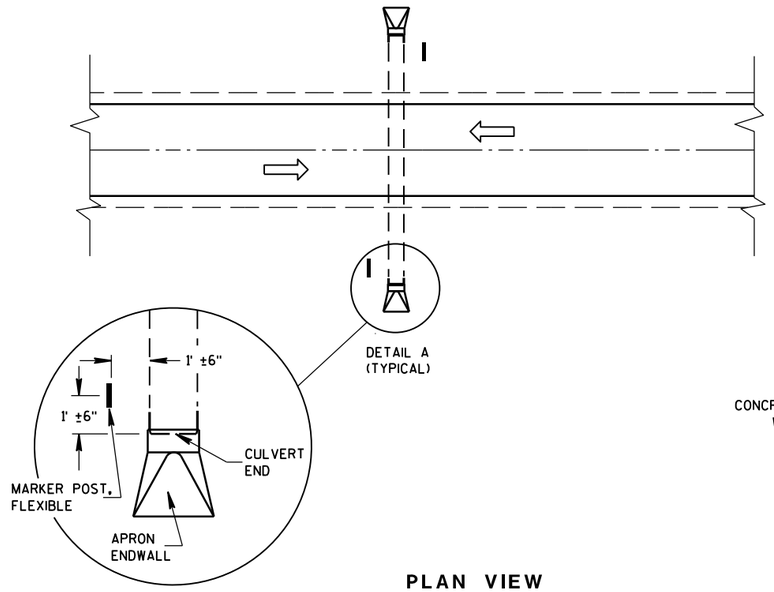
/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

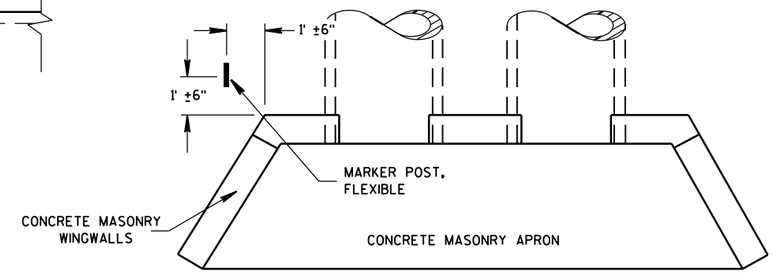
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

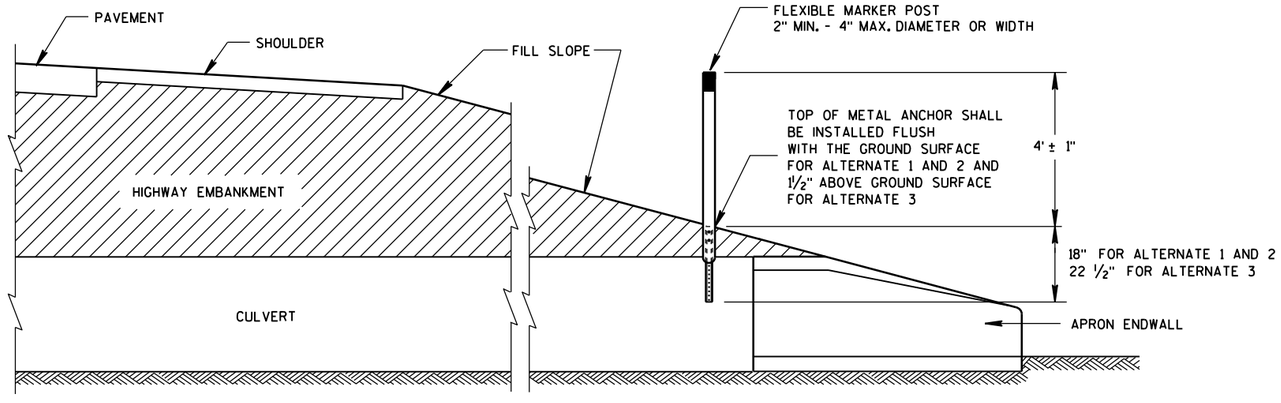
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

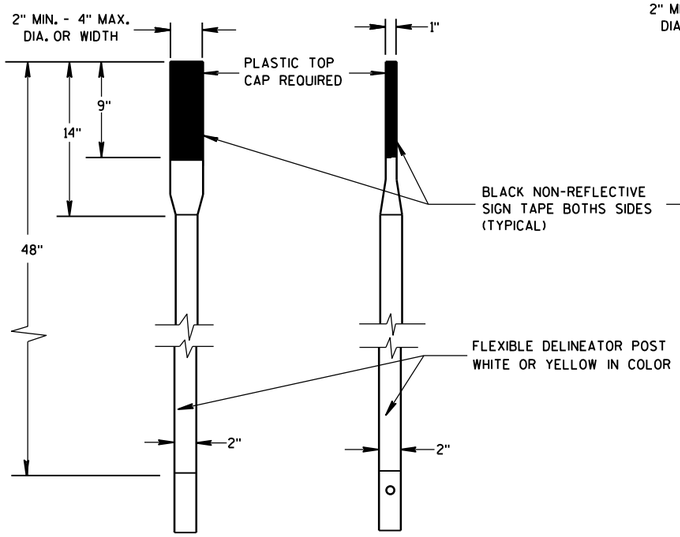
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

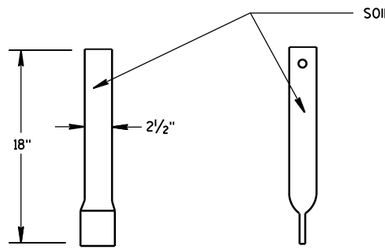
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S.D.D. 15 A 3-2a

6

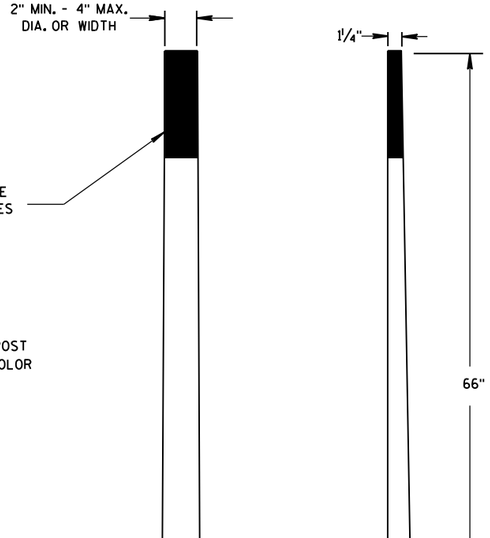
S.D.D. 15 A 3-2a





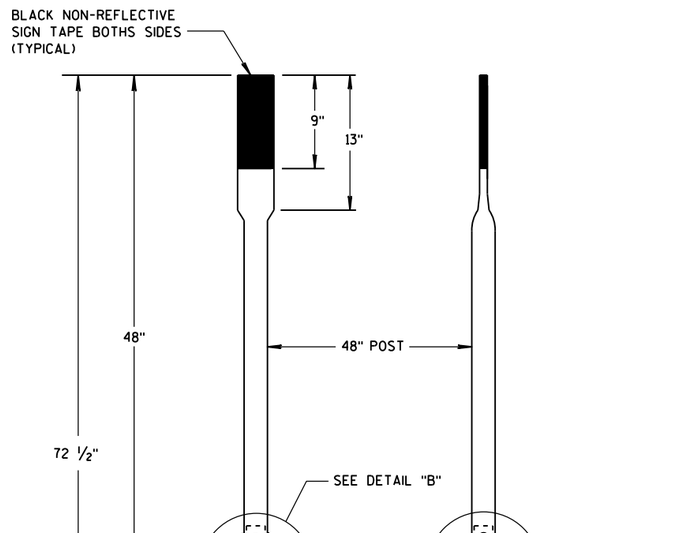
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

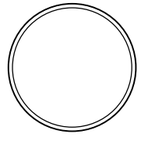
ALTERNATE 2



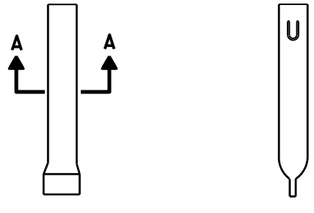
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

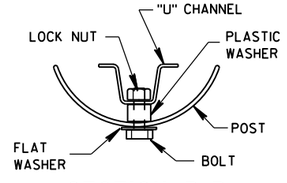


SECTION A-A

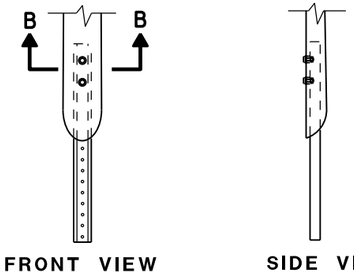


FRONT VIEW SIDE VIEW

ALTERNATE 1

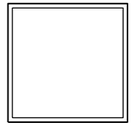


SECTION B-B

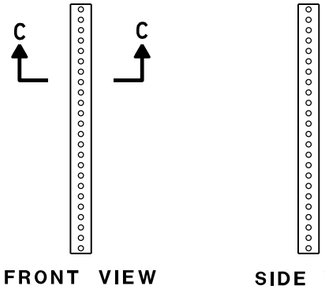


FRONT VIEW SIDE VIEW

ALTERNATE 2



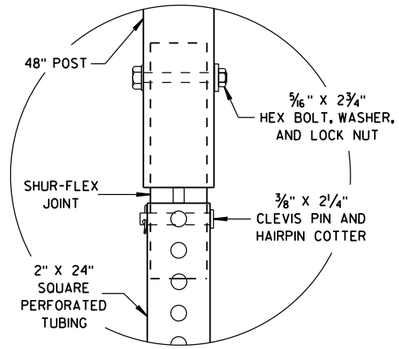
SECTION C-C



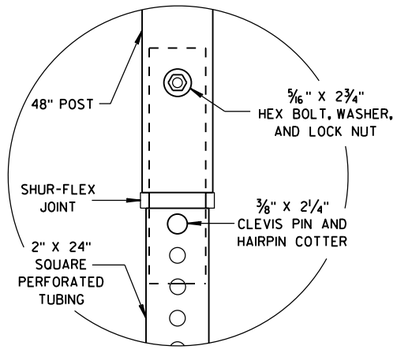
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

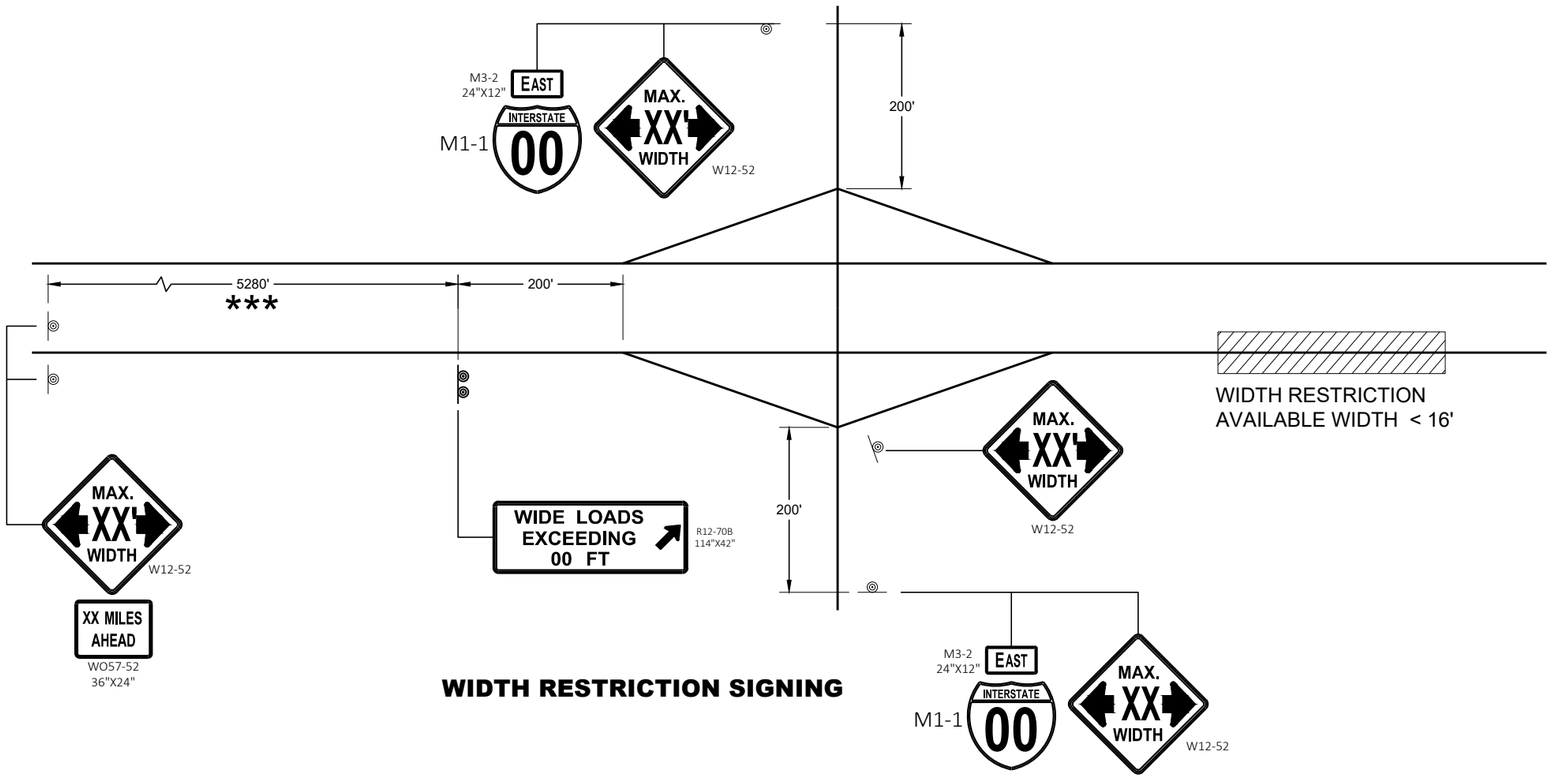
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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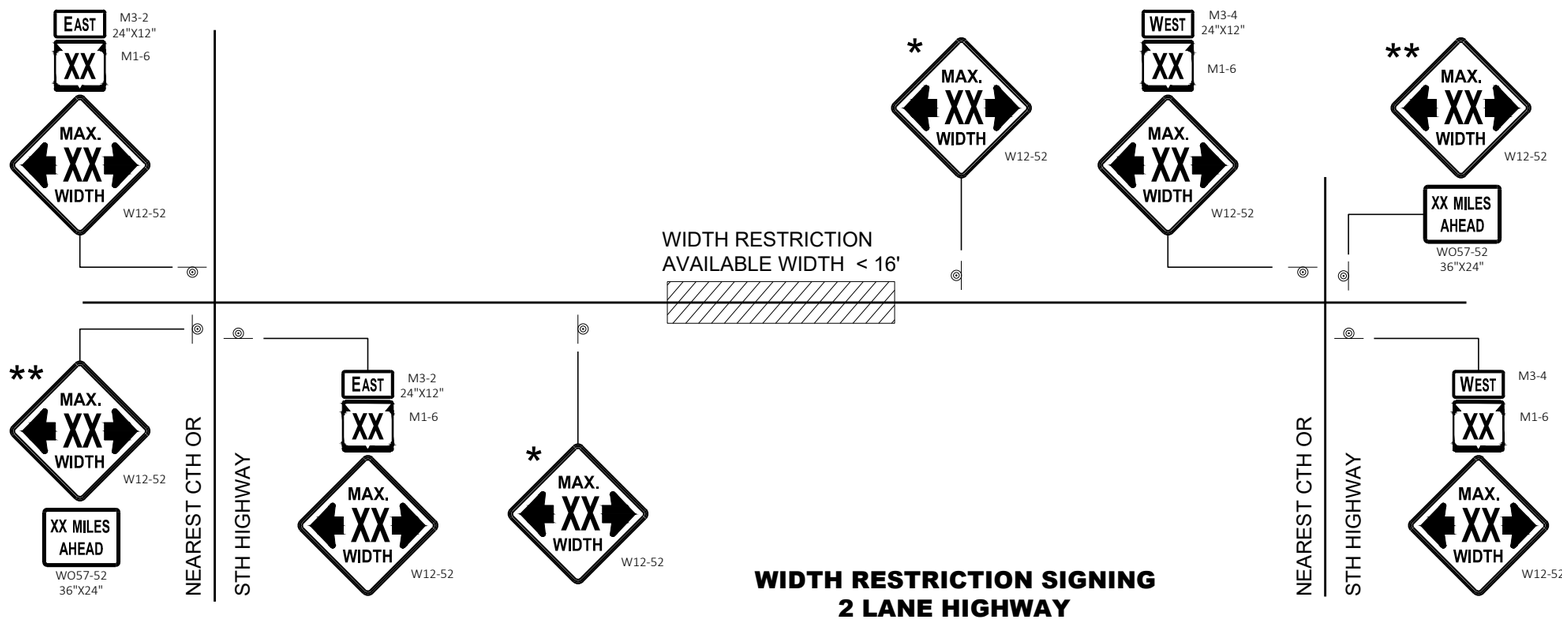
S.D.D. 15 A 3-2b

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S.D.D. 15 A 3-2b



WIDTH RESTRICTION SIGNING



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL " IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** SIGN SHALL BE VISIBLE FROM ROADWAY.

*** ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.



WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

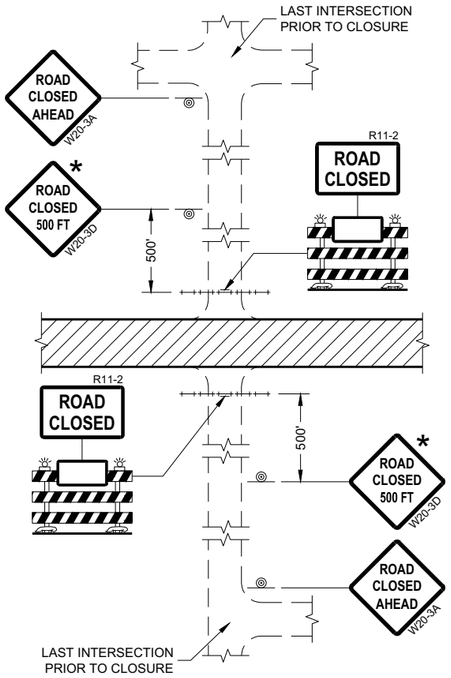
FHWA

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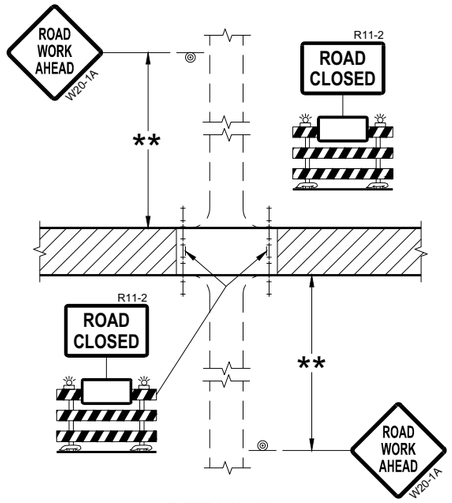
SDD 15C02 - 09f

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SDD 15C02 - 09f



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

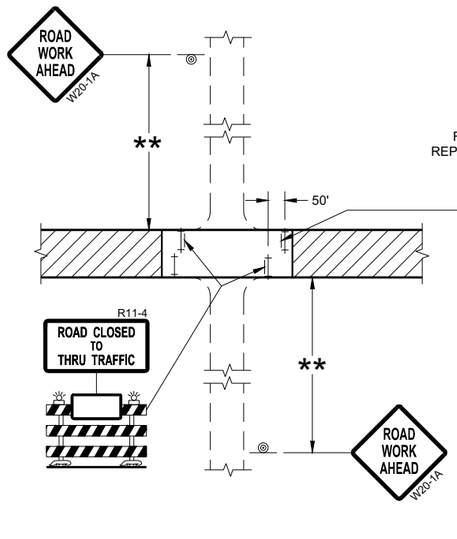
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

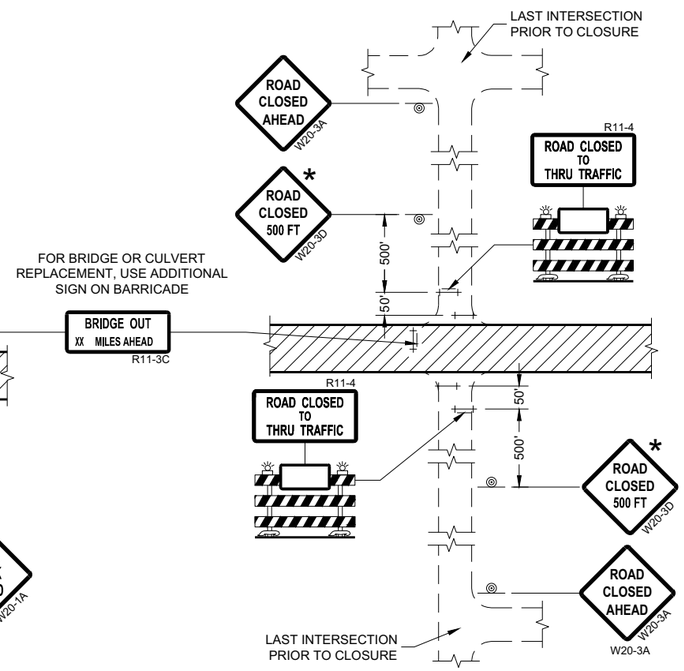
** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15C03 - 05

SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

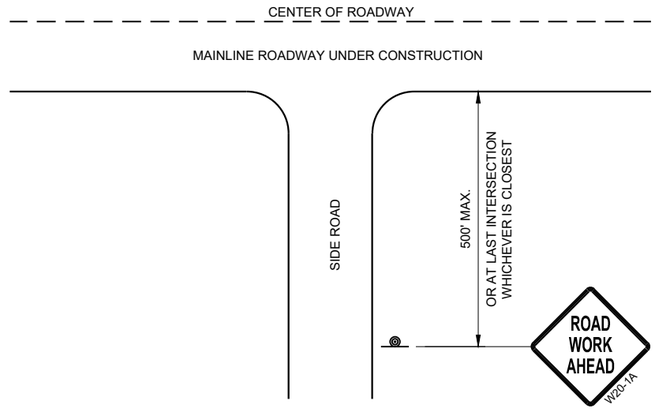
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS

** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



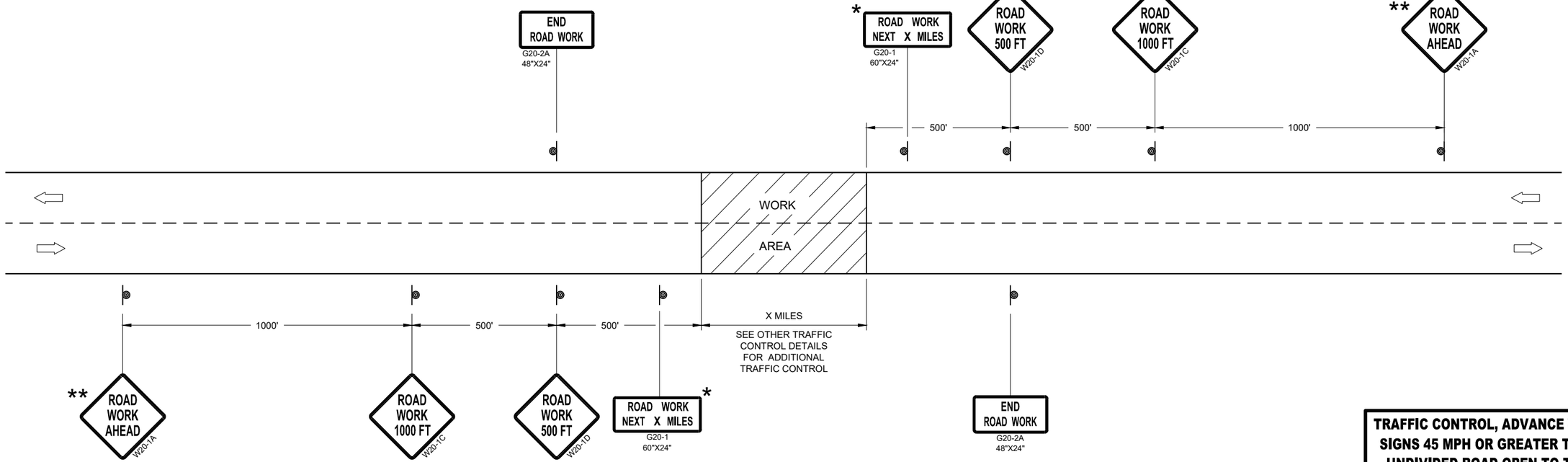
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 MPH OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C04 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

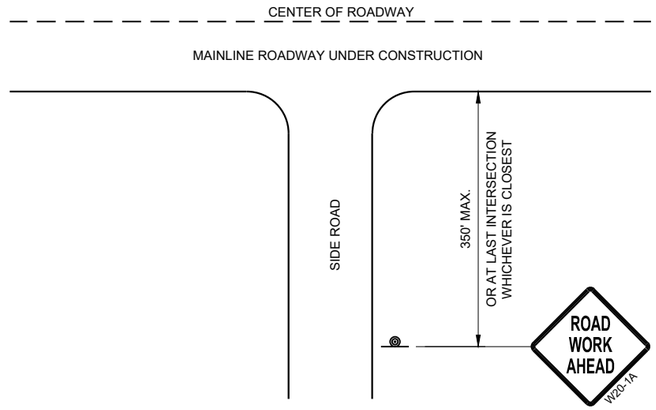
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

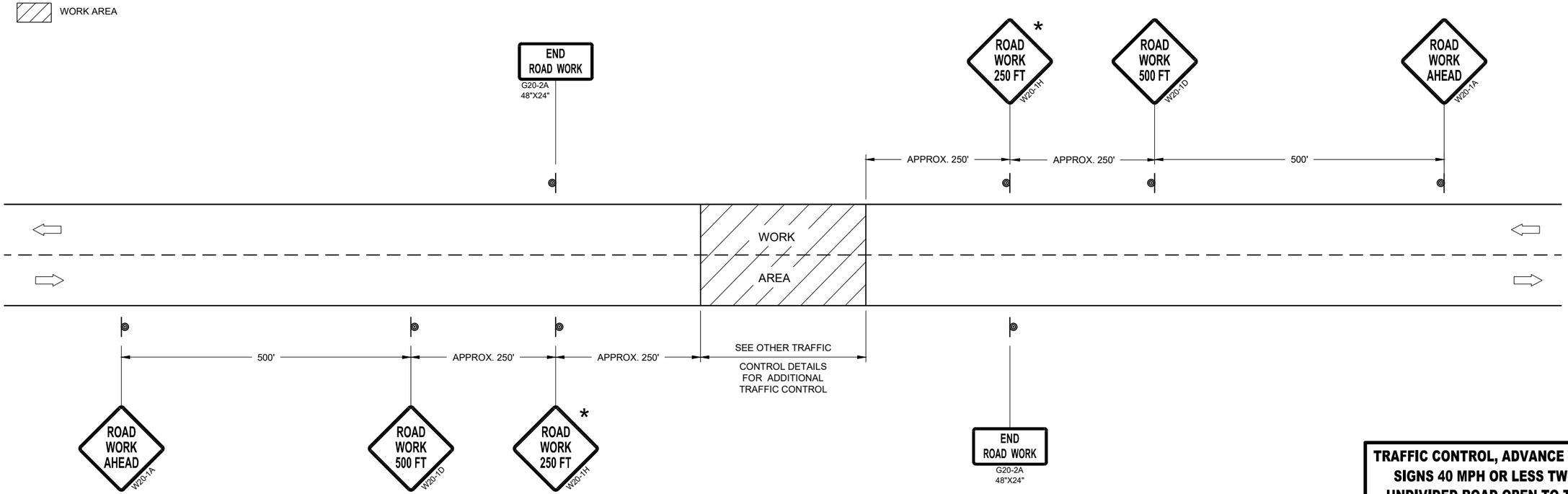
* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C05 - 05

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

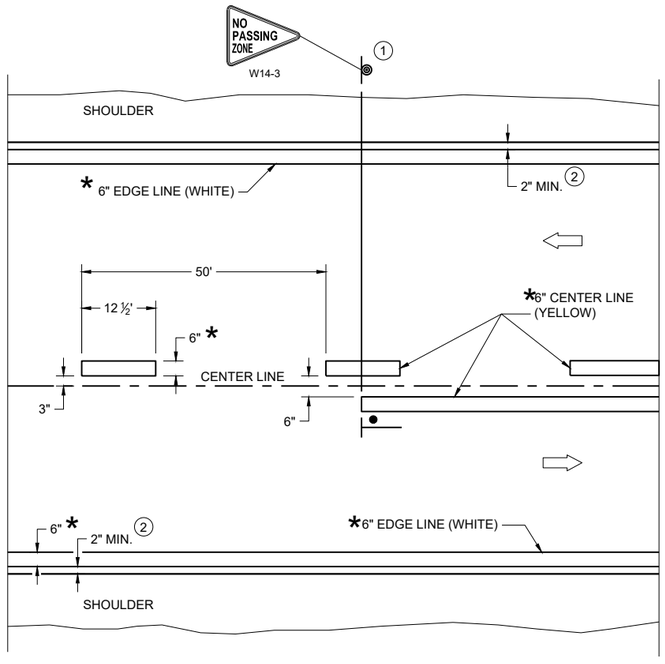
LEGEND

"T" MARKING

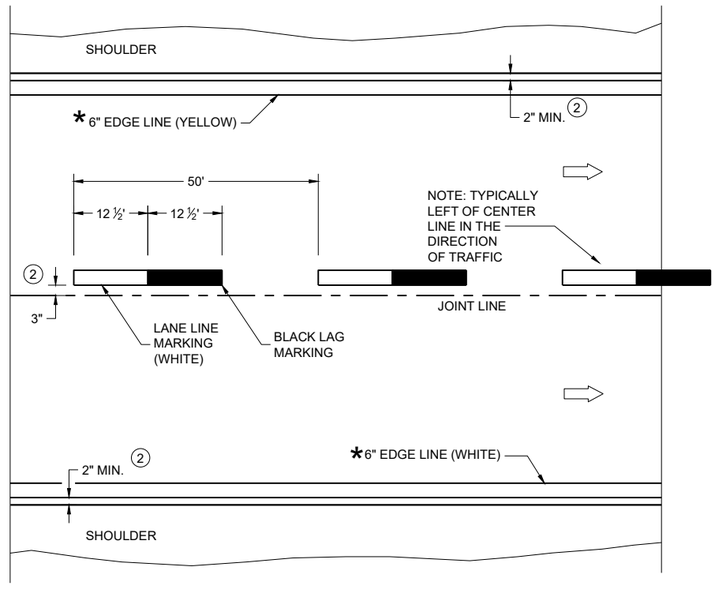
SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

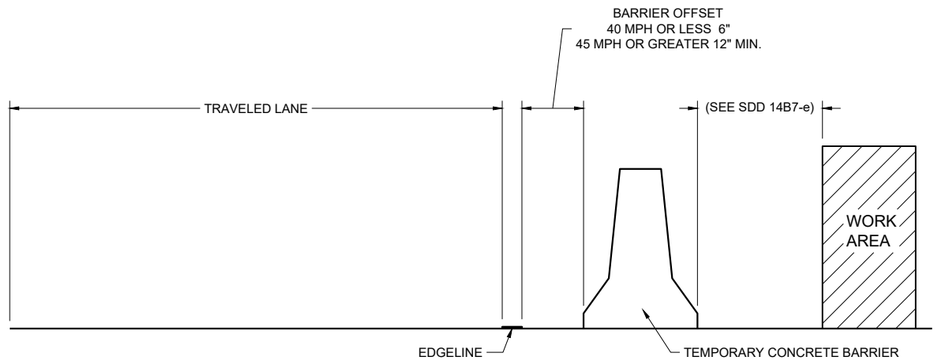
APPROVED
May 2023 — DATE
/S/ Jeannie Silver — Statewide Pavement Marking Engineer
FHWA

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SDD 15C08-23a

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SDD 15C08-23a



TEMPORARY BARRIER OFFSET FROM EDGELINE

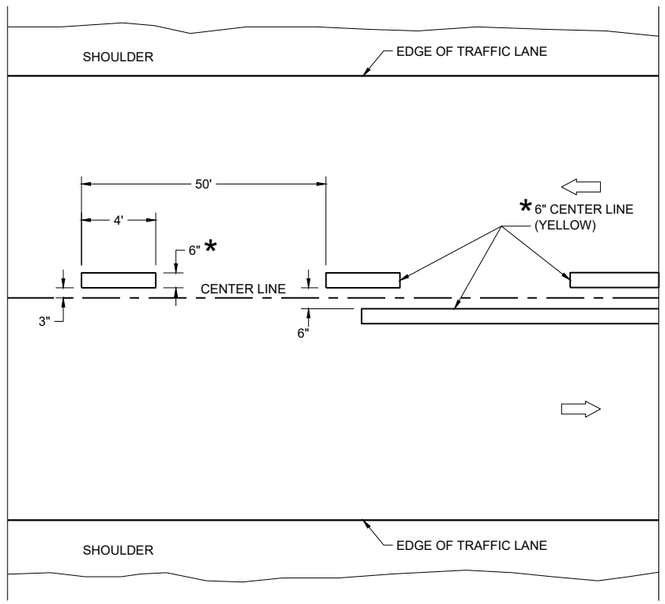
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

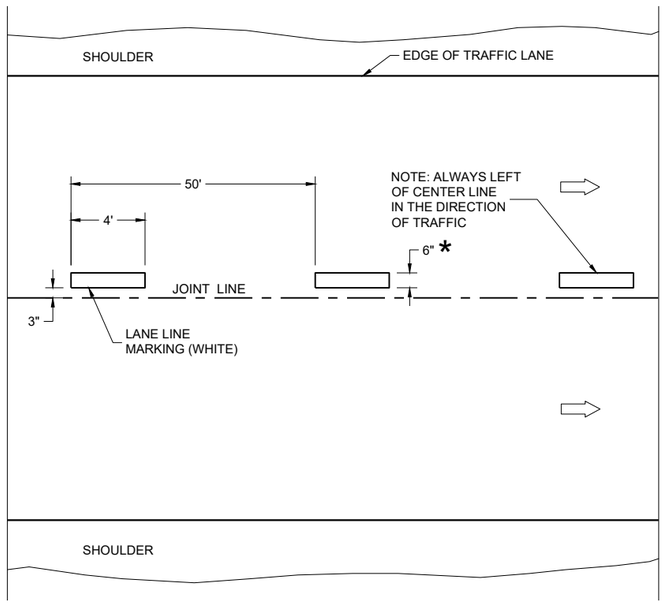
LEGEND

DIRECTION OF TRAFFIC

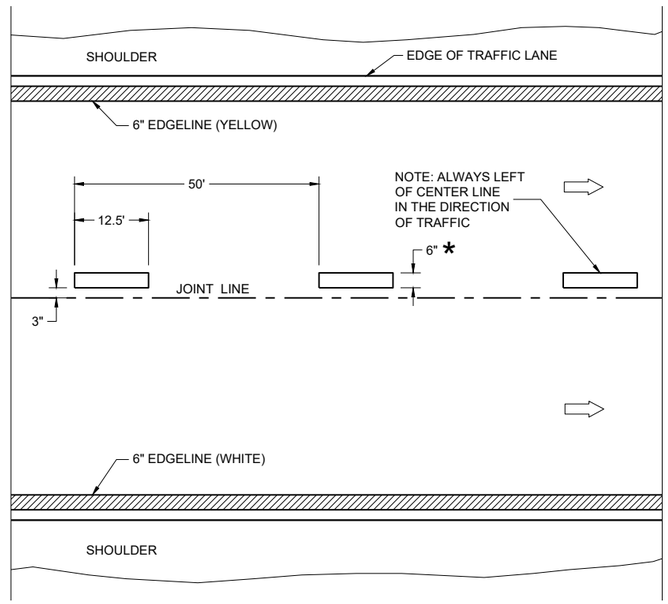
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Jeannie Silver — Statewide Pavement Marking Engineer
FHWA

6

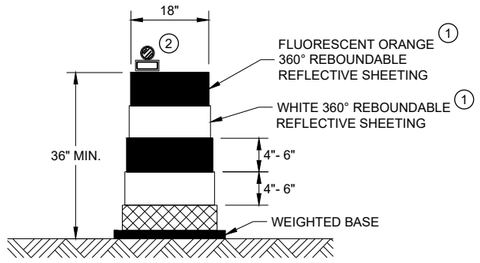
SDD 15C08-23b

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SDD 15C08-23b

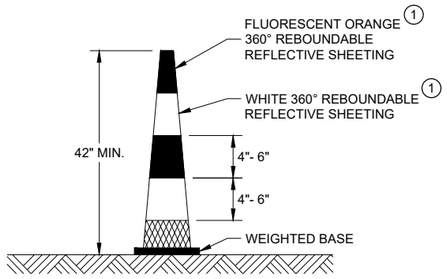
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

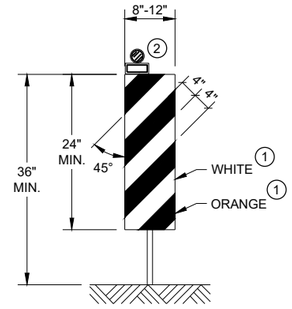
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

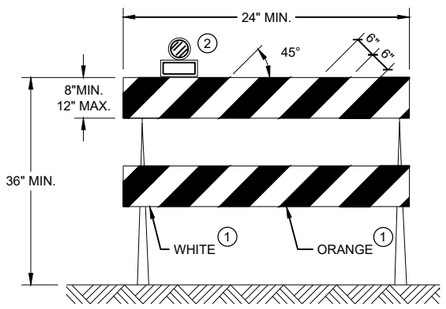
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



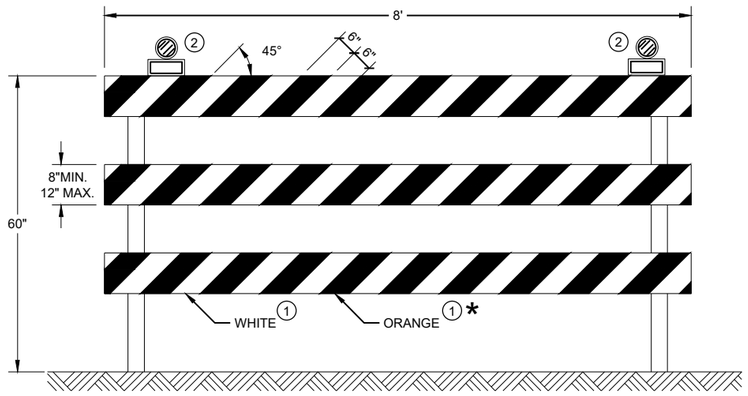
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C11 - 10b

6

SDD 15C11 - 10b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS, DEVICES, AND LOCATION OF ALL FLAGGERS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

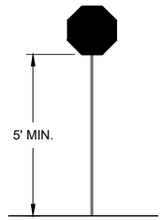
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.



STOP/SLOW PADDLE ON SUPPORT STAFF

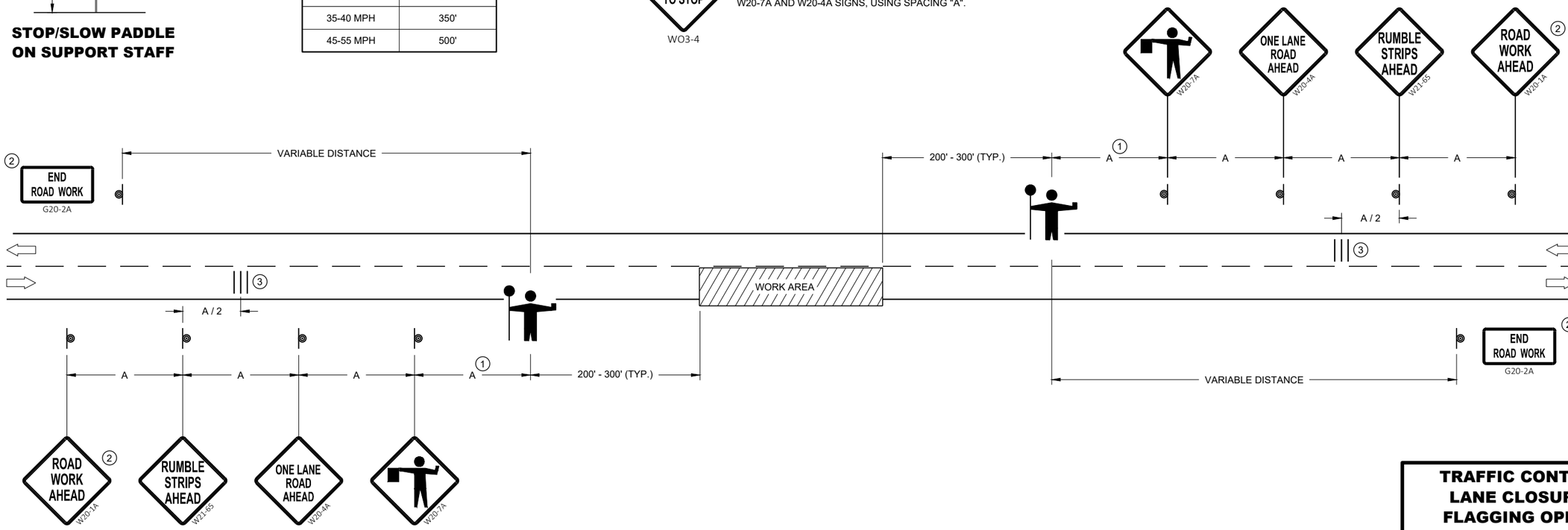
SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

SDD 15C12 - 09a

SDD 15C12 - 09a

LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

FLASHING ARROW PANEL (CAUTION)

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE SPECIFIED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

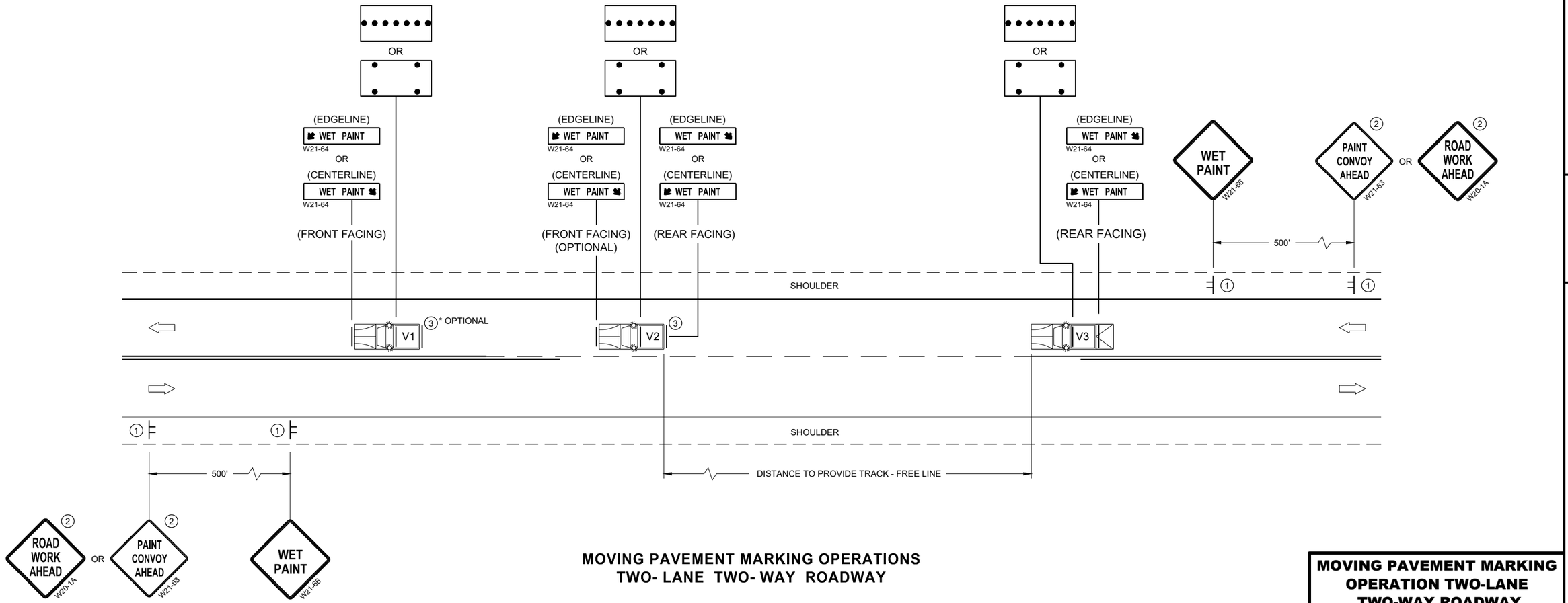
THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC.

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM OF 28" FOR WET PAVEMENT MARKING .

1. SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.
2. IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.
3. V1 AND V2 CAN BE SWITCHED SO THAT THE MARKER IS THE LEAD VEHICLE.



MOVING PAVEMENT MARKING OPERATIONS
TWO- LANE TWO- WAY ROADWAY

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2023
DATE

/S/ Andrew I...
WORK ZONE EN

FHWA

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SDD 15C19-08a

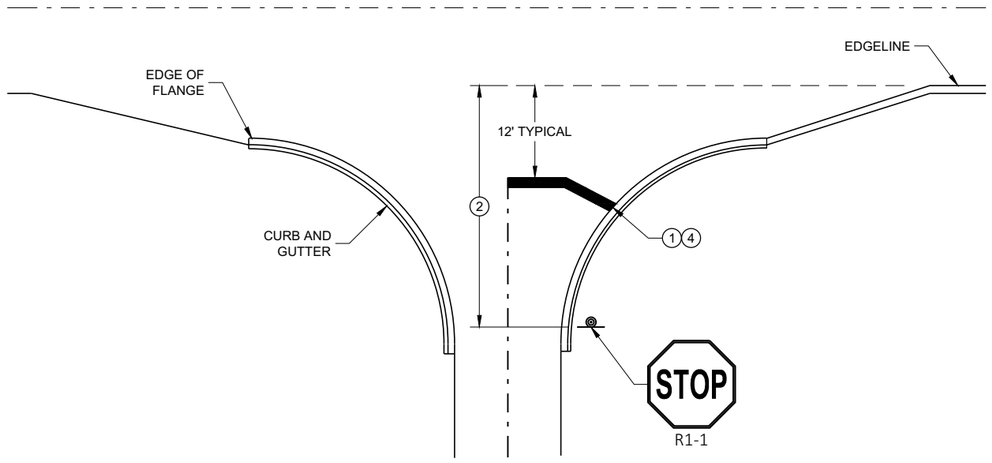
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SDD 15C19-08a

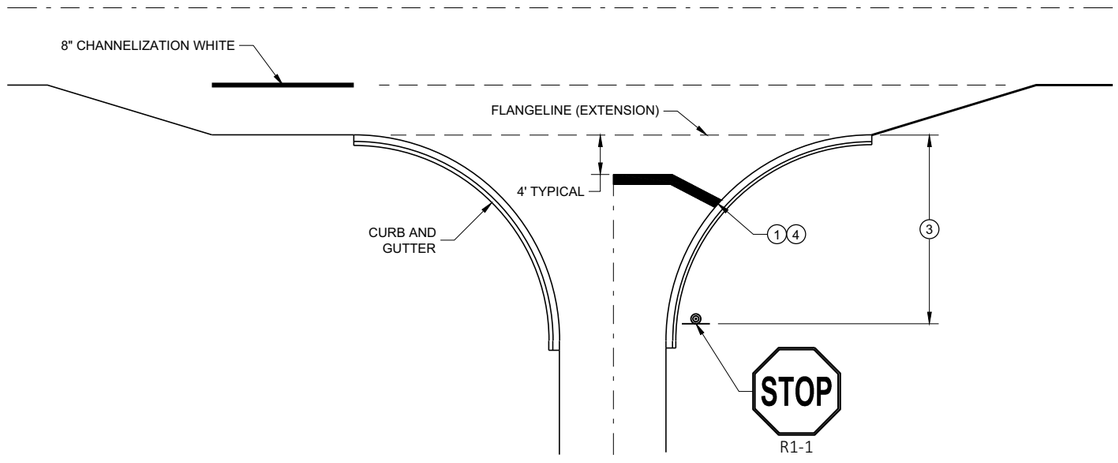
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

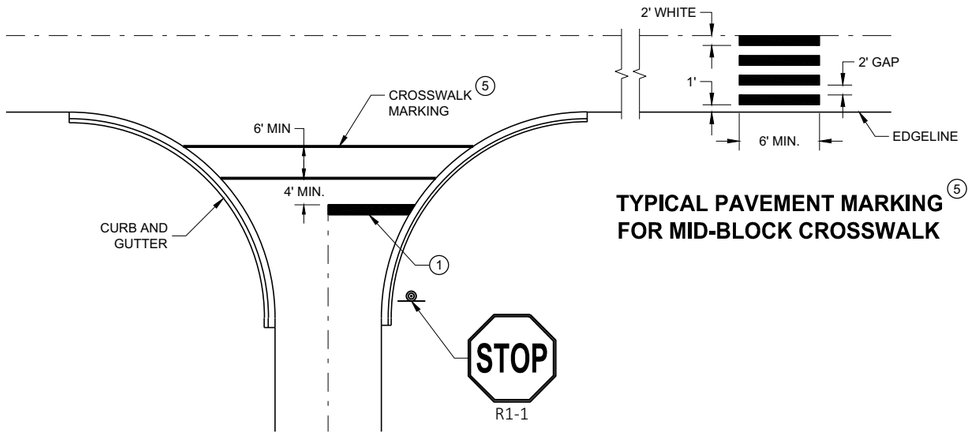
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

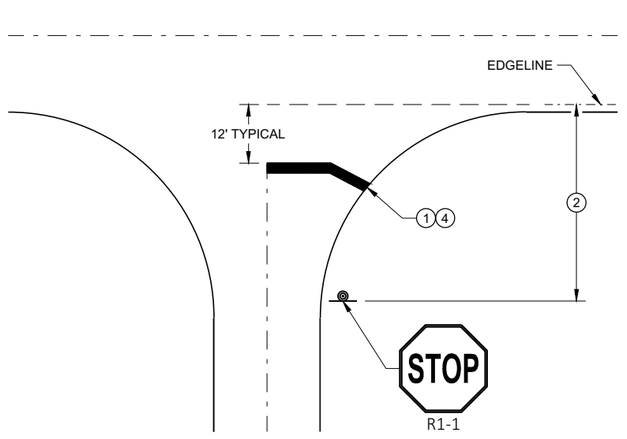


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

TYPICAL PAVEMENT MARKING 5 FOR MID-BLOCK CROSSWALK



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

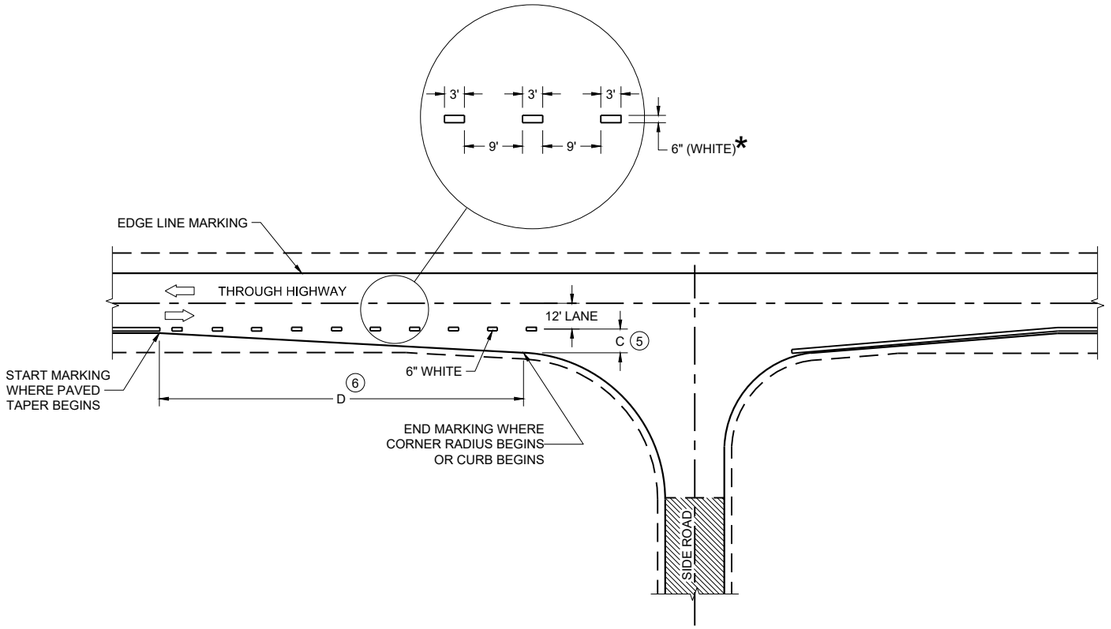
FHWA

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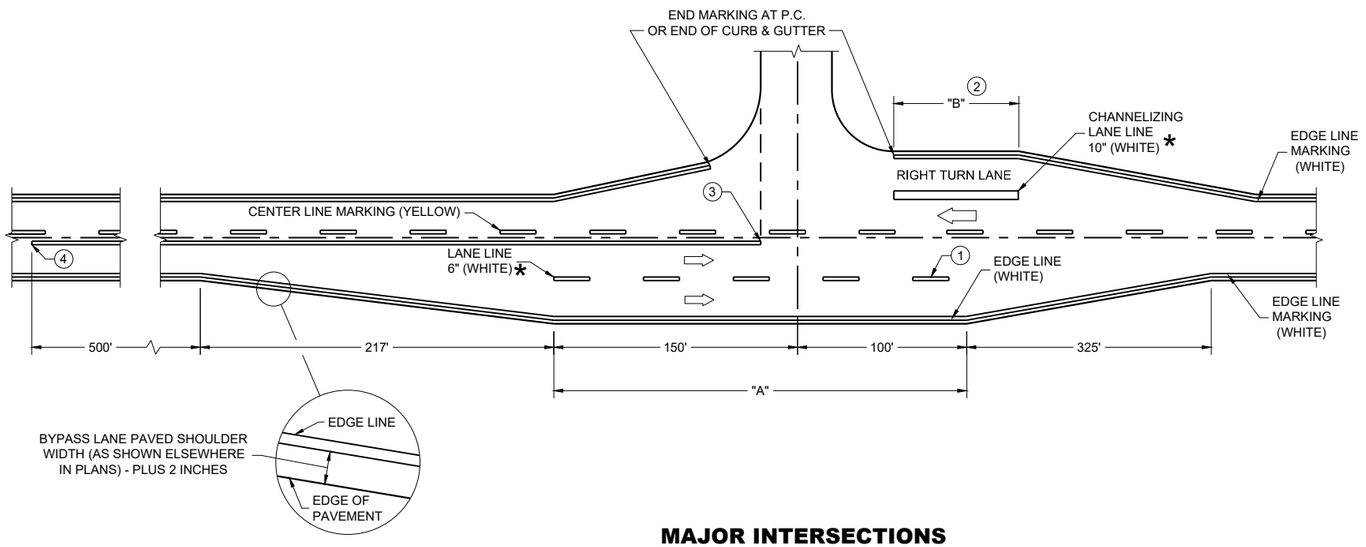
SDD 15C33 - 04

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SDD 15C33 - 04



MINOR INTERSECTION



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

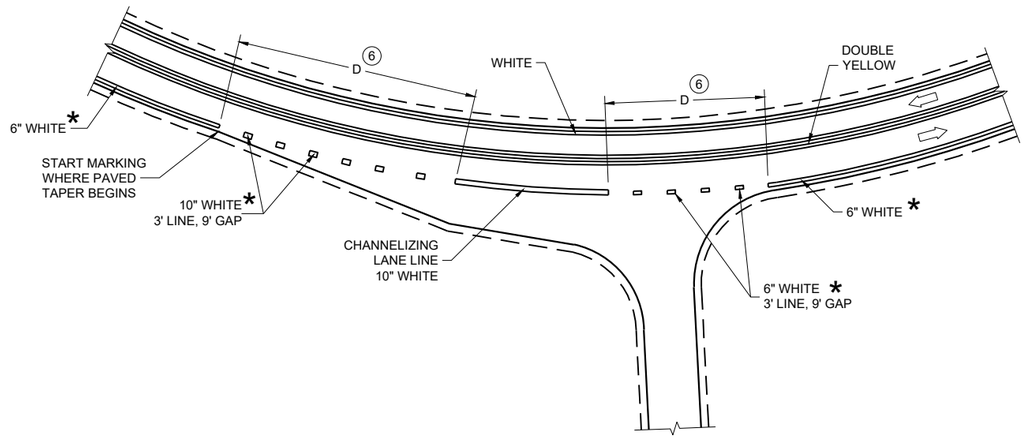
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.
5. WHEN DISTANCE "C" IS LESS THAN 4 FEET, OMIT DOTTED EXTENSION.
6. WHEN DISTANCE "D" IS LESS THAN 50 FEET, OMIT DOTTED EXTENSION.

LEGEND

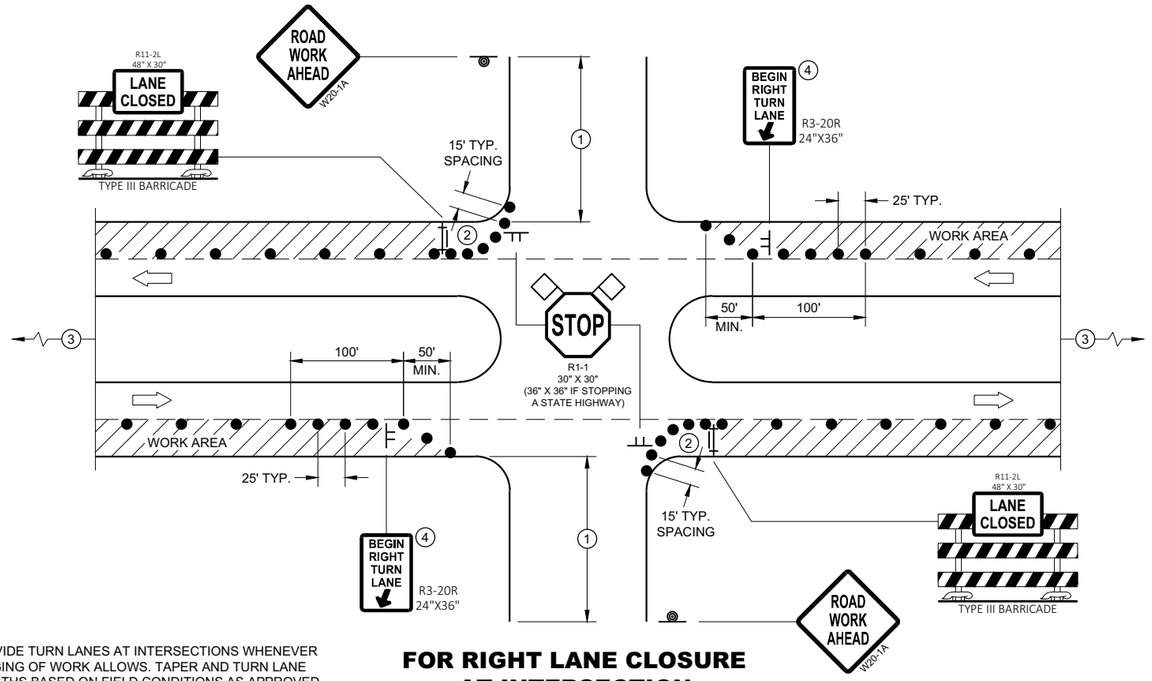
DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

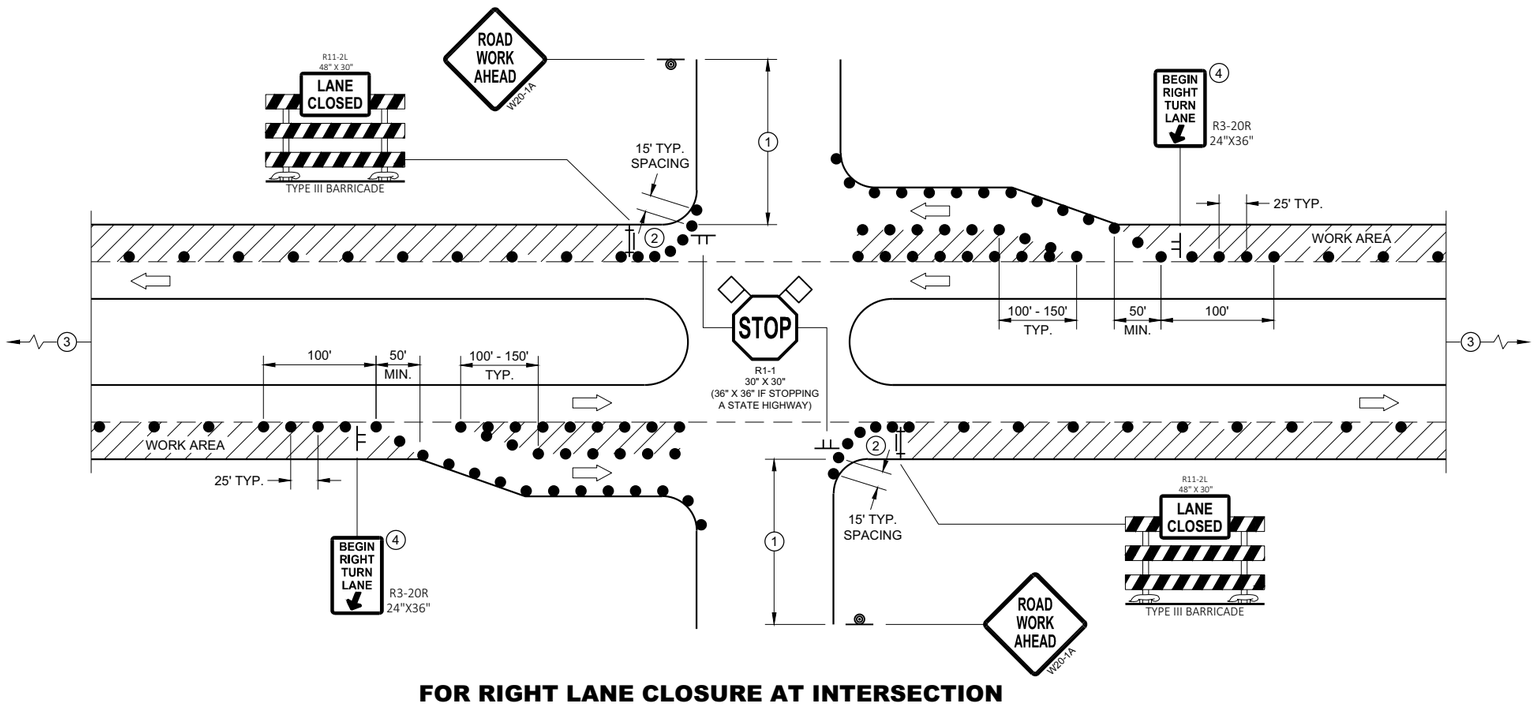
PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



FOR RIGHT LANE CLOSURE AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

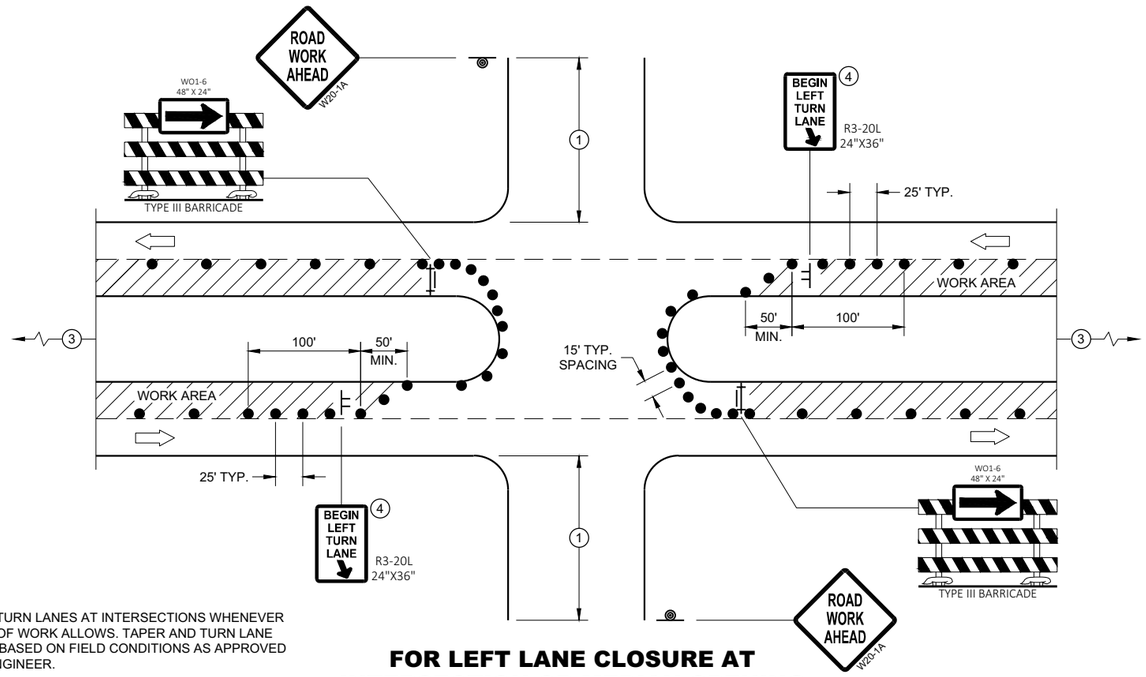
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 15D21 - 07a

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PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

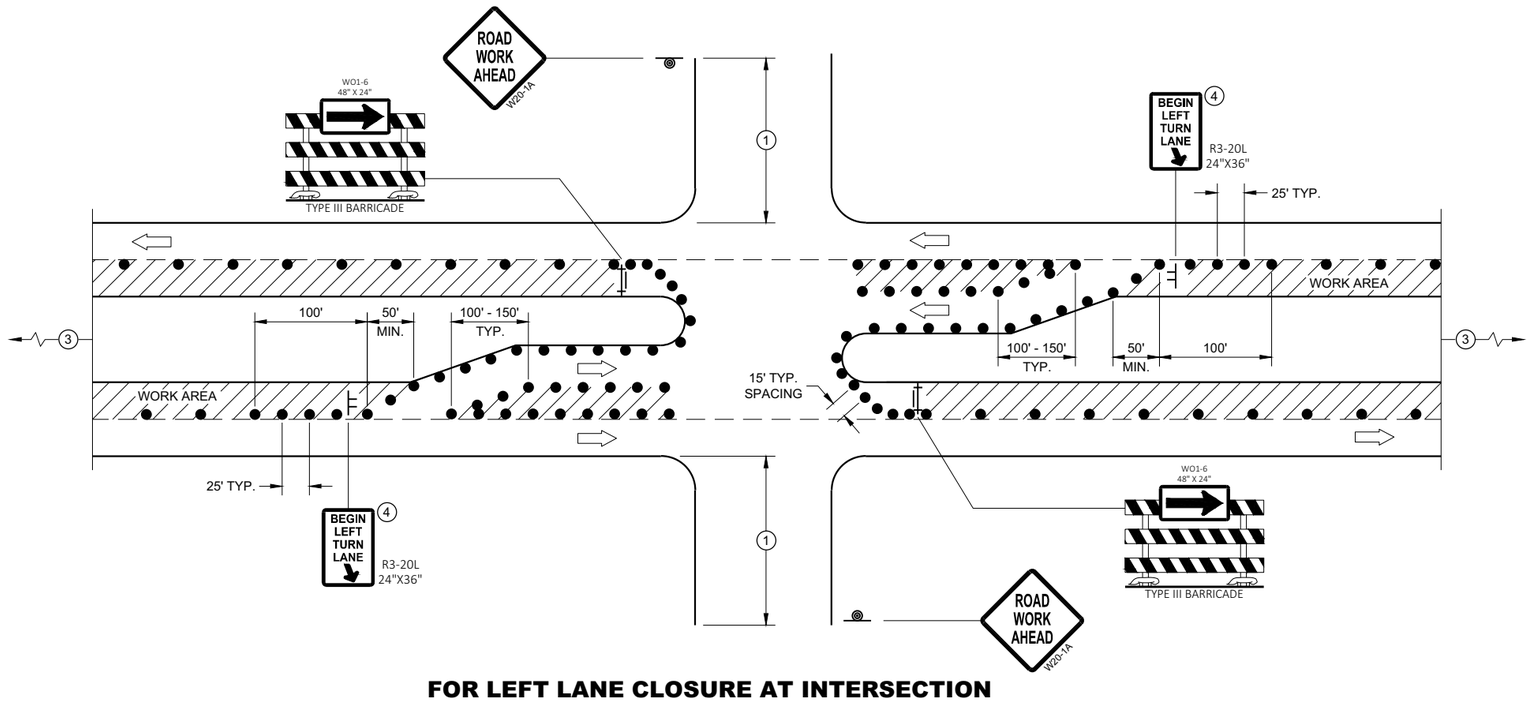
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15D21 - 07b

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SDD 15D21 - 07b

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

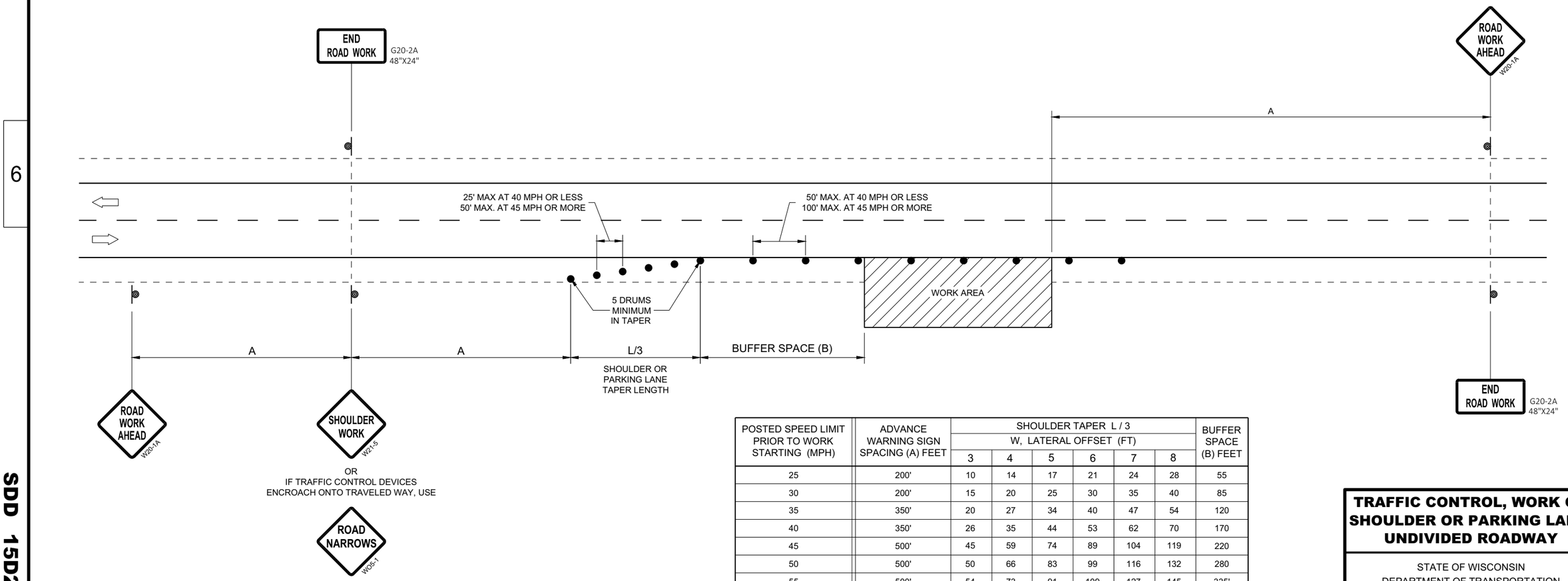
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

SDD 15D28 - 04

SDD 15D28 - 04

GENERAL NOTES

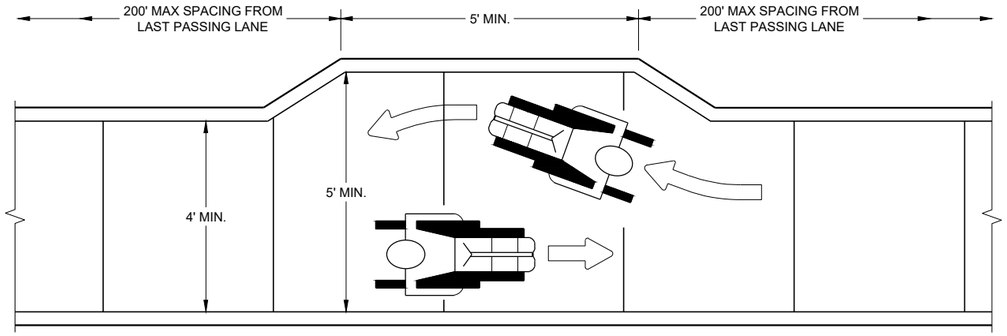
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

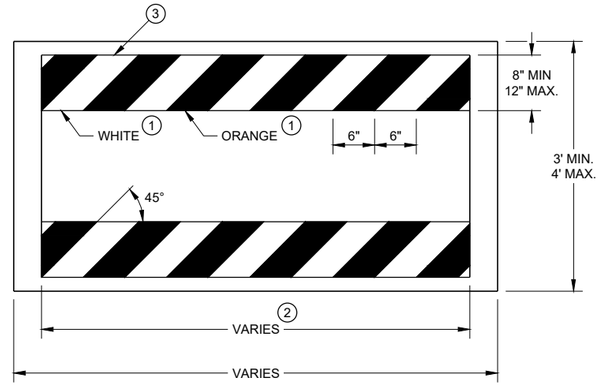
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

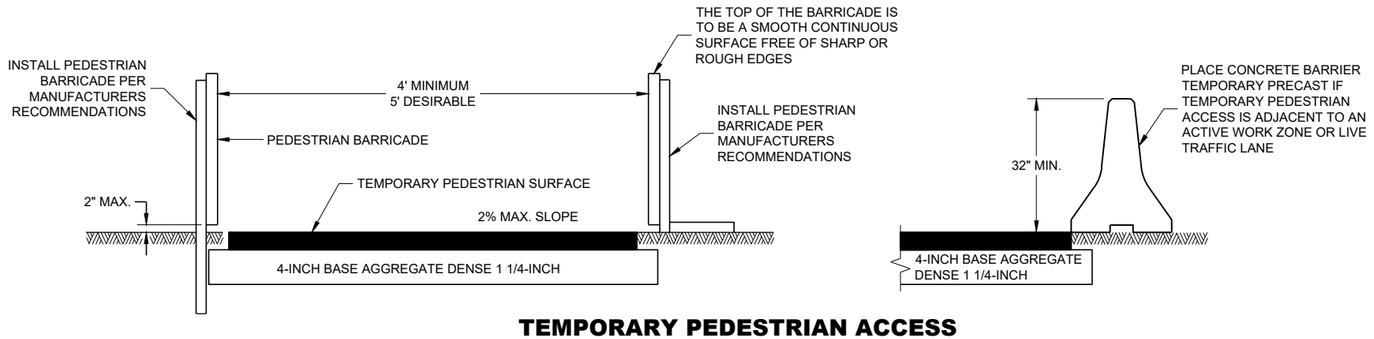
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN BARRICADE*



TEMPORARY PEDESTRIAN ACCESS

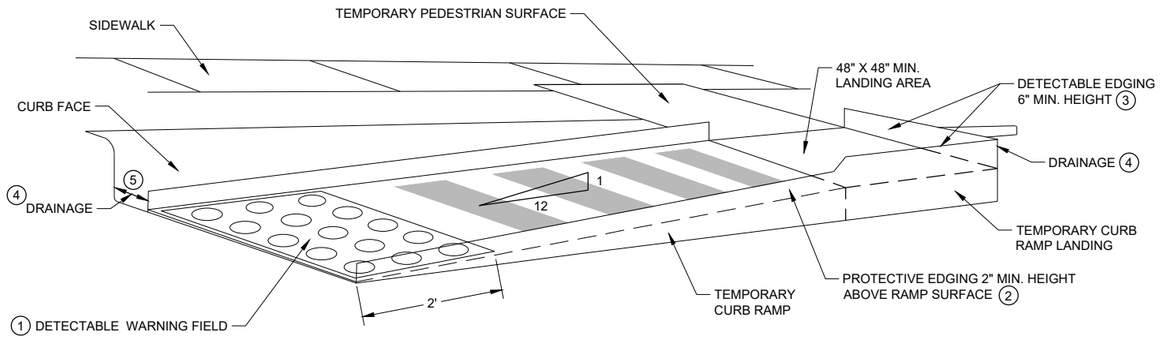
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SDD 15D30 - 09a

SDD 15D30 - 09a

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



PERSPECTIVE VIEW

GENERAL NOTES

CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.

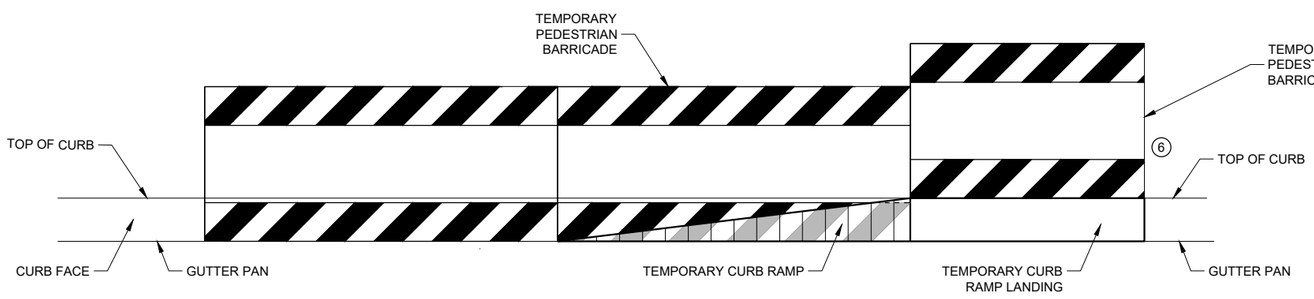
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

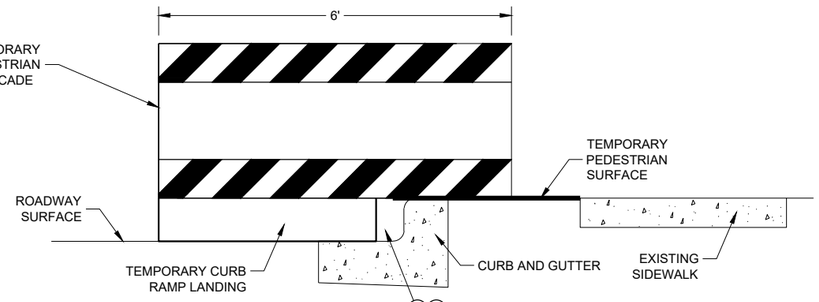
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.

(6) IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.



FRONT VIEW



SIDE VIEW

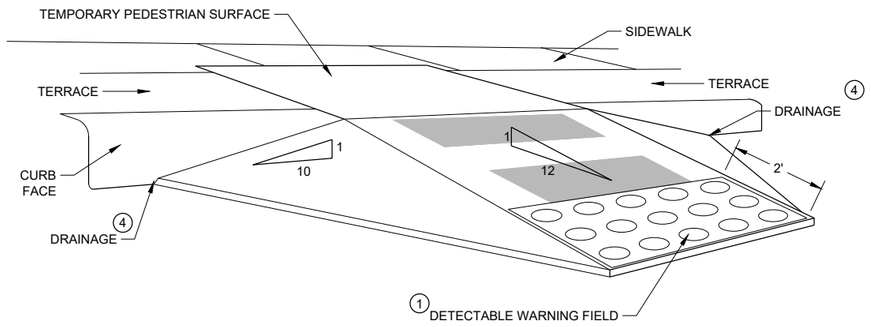
TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

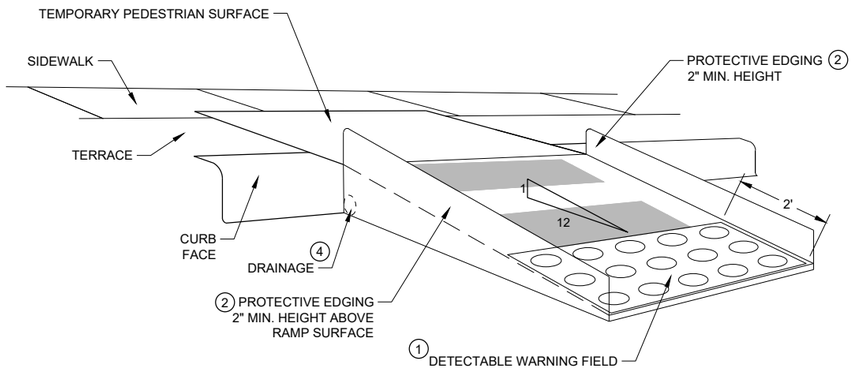
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 15D30 - 09b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS

(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

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SDD 15D30 - 09c

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

GENERAL NOTES

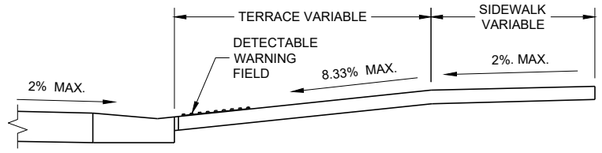
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

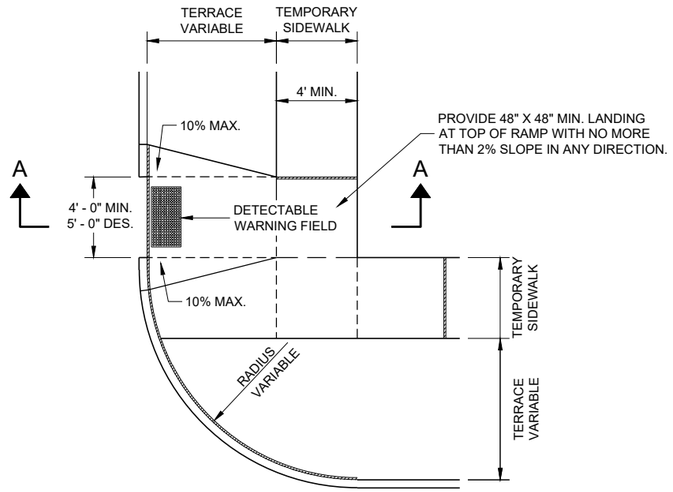
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



SECTION A - A



PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

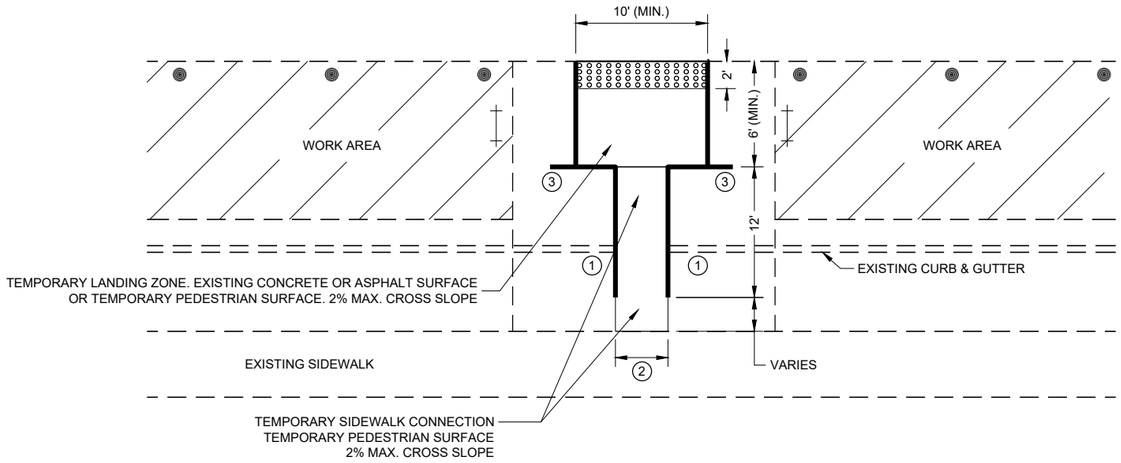
APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

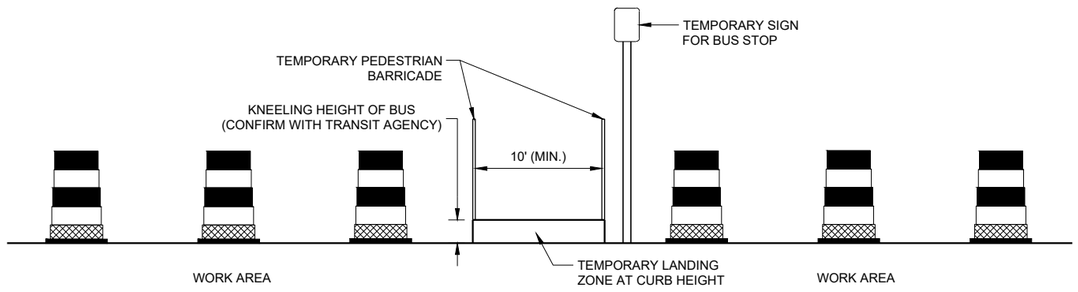
FHWA

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SDD 15D30-09d



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

(1) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(2) 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.

(3) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY DETECTABLE WARNING FIELD
- WORK AREA

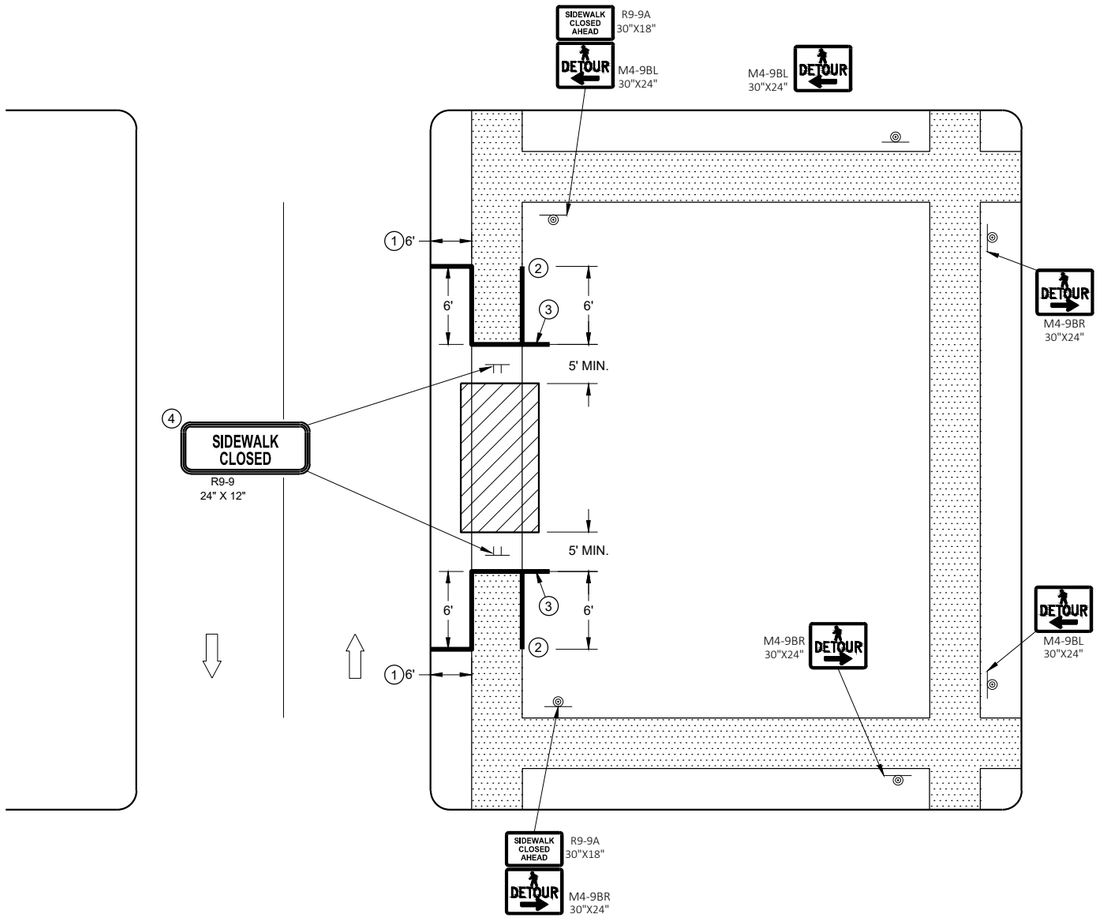
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SDD 15D30 - 09e

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC



GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

SDD 15D30 - 09f

LEGEND

- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

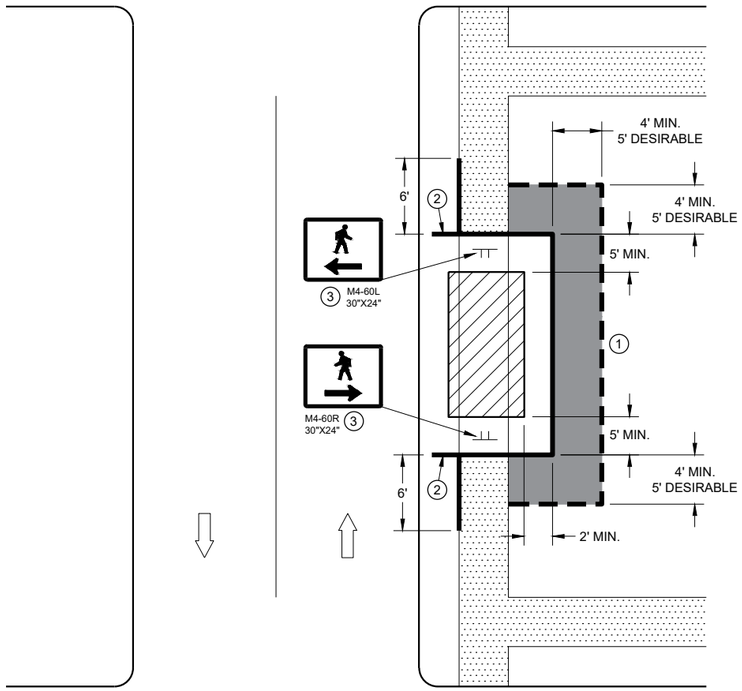
TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

1. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
2. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
3. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.



SIDEWALK DIVERSION
SINGLE SIDE

6

SDD 15D30 - 09g

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD15D30 - 09g

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

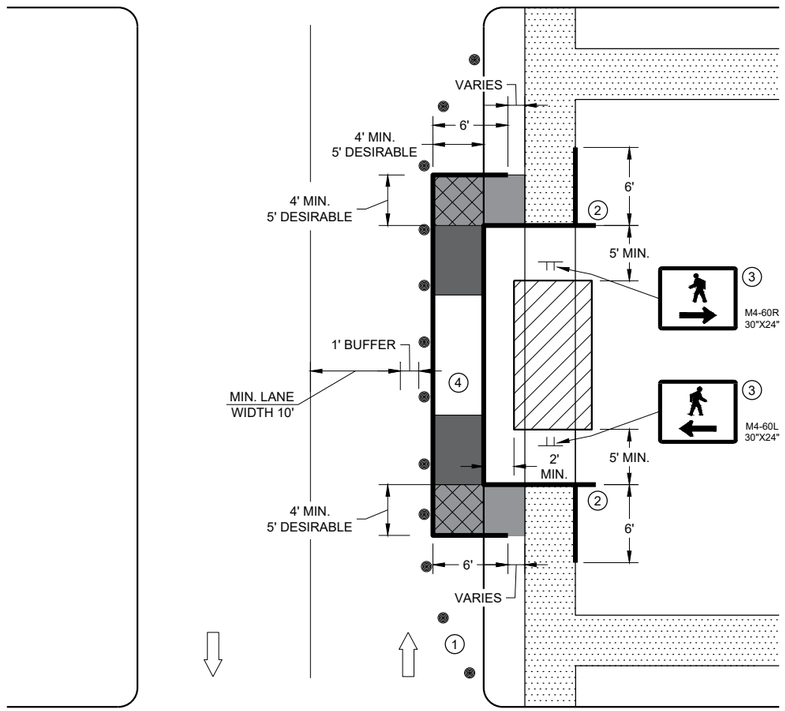
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND BUFFER SPACE REQUIRED.

(2) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

(4) USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE.



SIDEWALK DIVERSION, SINGLE SIDE

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

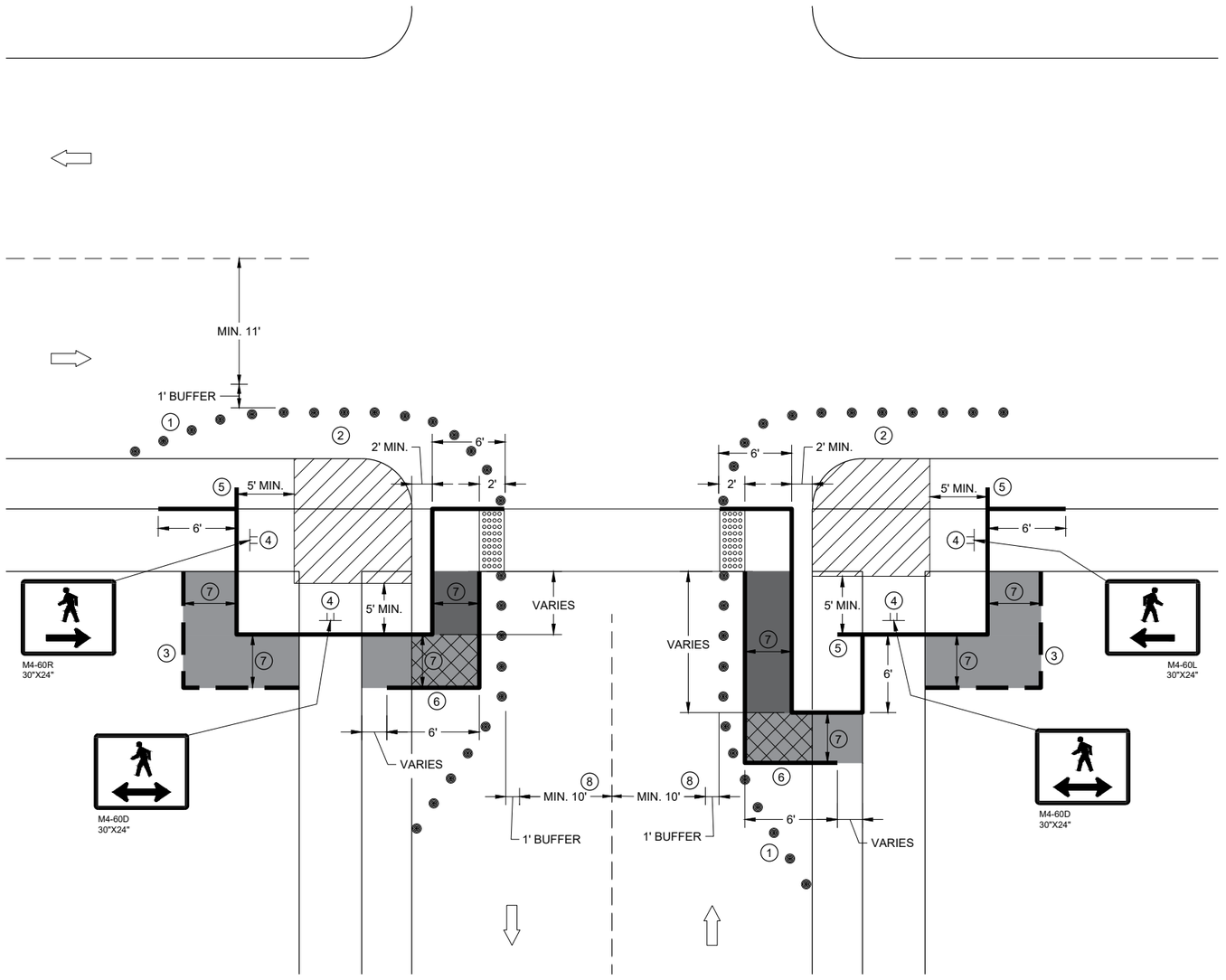
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 09h

6

SDD 15D30 - 09h



CURB RAMP PEDESTRIAN TRAFFIC CONTROL
SIDEWALK ON SINGLE SIDE

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

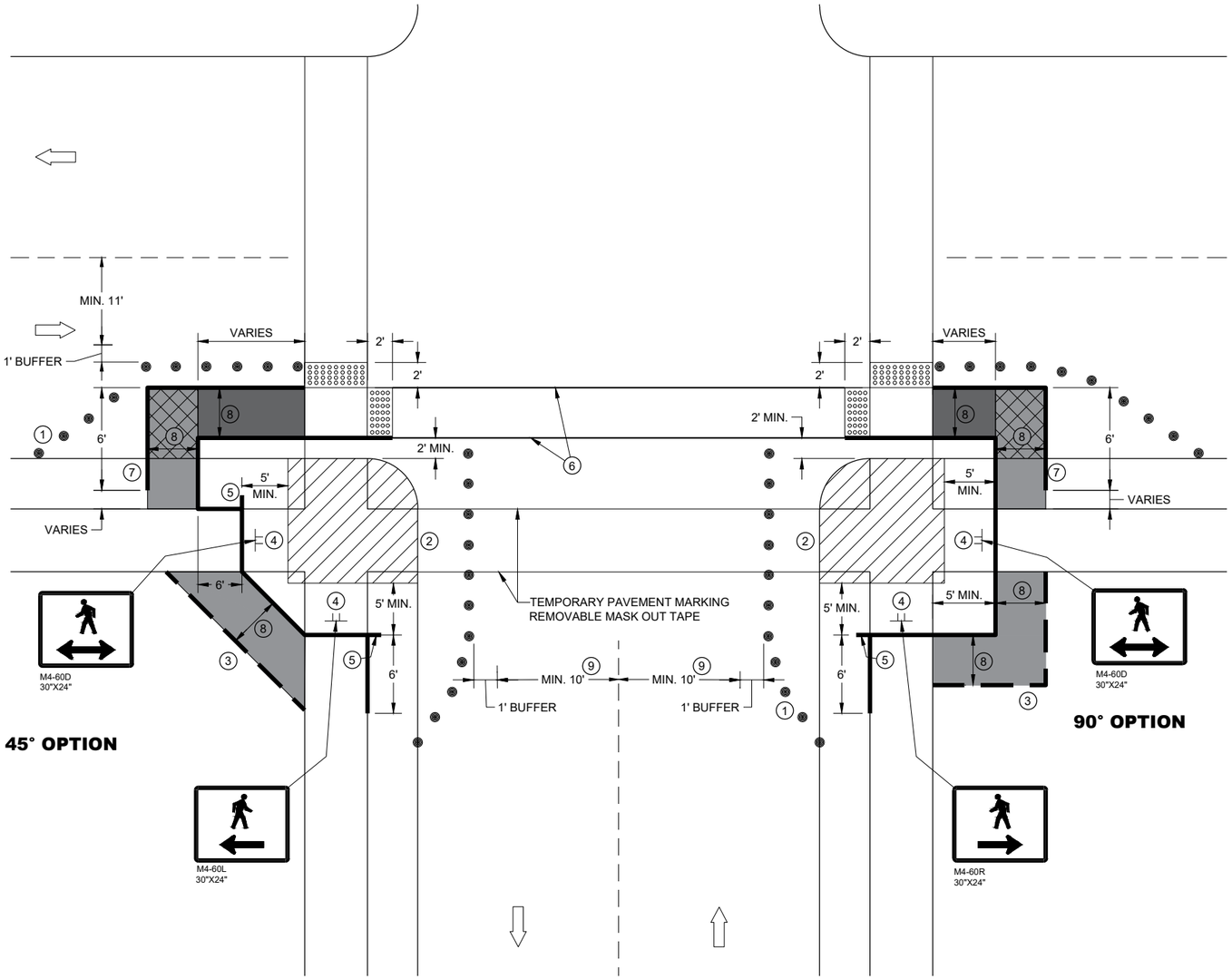
TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
7. 4 FEET MINIMUM, 5 FEET DESIRABLE
8. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC



CURB RAMP PEDESTRIAN TRAFFIC CONTROL

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. WHITE 6" TEMPORARY PAVEMENT MARKING
7. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
8. 4 FEET MINIMUM, 5 FEET DESIRABLE
9. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

SDD 15D30 - 09j

6

LEGEND

SIGN ON PERMANENT SUPPORT

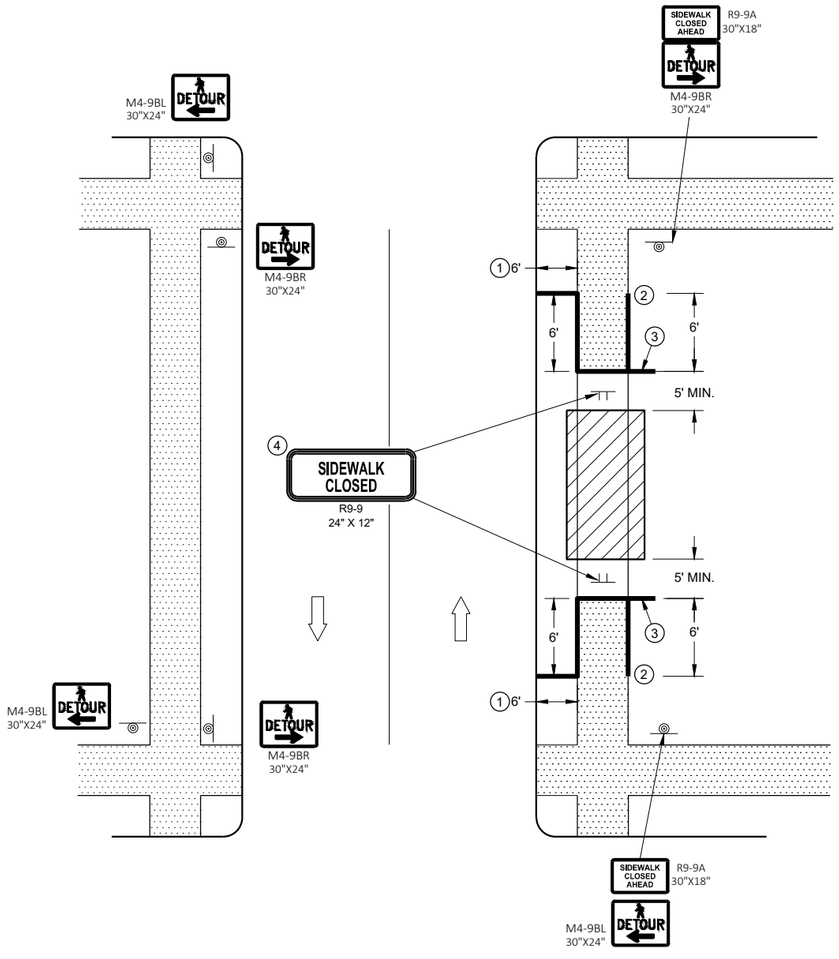
SIGN ON TEMPORARY SUPPORT

UNDER PEDESTRIAN TRAFFIC

WORK AREA

TEMPORARY PEDESTRIAN BARRICADE

DIRECTION OF TRAFFIC



GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

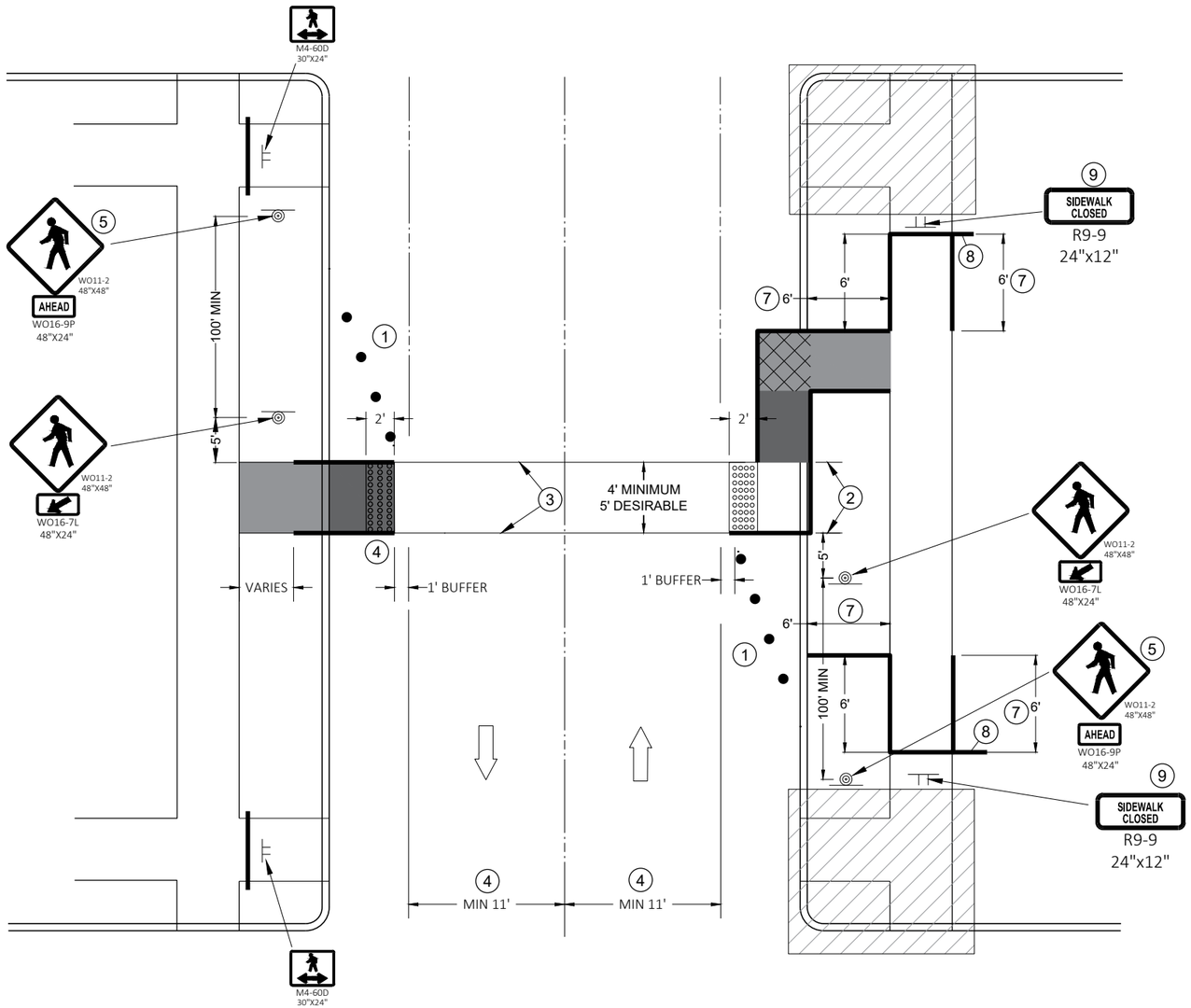
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES



TEMPORARY PEDESTRIAN CROSSING

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

SEE OTHER PEDESTRIAN ACCOMMODATION DETAILS FOR SIGNING AND DEVICES FOR DIFFERENT PEDESTRIAN FACILITIES CLOSURES.

(1) SHOULDER OR LANE CLOSURE ADVANCED WARNING AND PROPER BUFFER SPACE REQUIRED.

(2) 4 FEET MINIMUM, 5 FEET DESIRABLE.

(3) WHITE 6" TEMPORARY PAVEMENT MARKING.

(4) IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, PERPENDICULAR CURB RAMPS MAY NEED TO BE UTILIZED.

(5) IF MINIMUM 100' SPACING FROM THE MID-BLOCK CROSSING CANNOT BE ATTAINED BEFORE THE INTERSECTION, REMOVE THIS SIGN ASSEMBLY.

(6) IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.

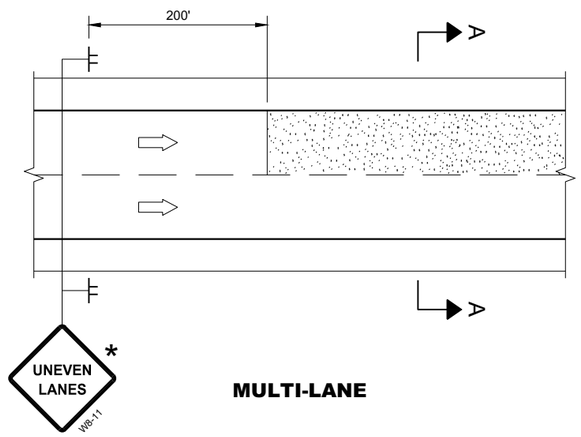
(7) PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.

(8) IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF THE EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.

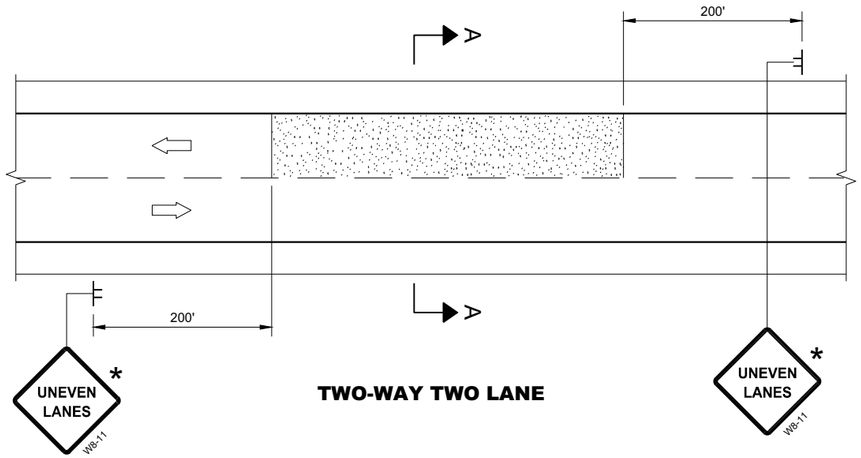
(9) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF THE SIGN.

LEGEND

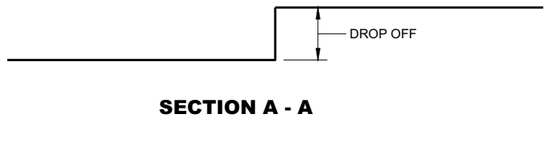
- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC



MULTI-LANE

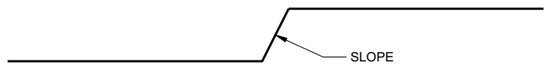


TWO-WAY TWO LANE

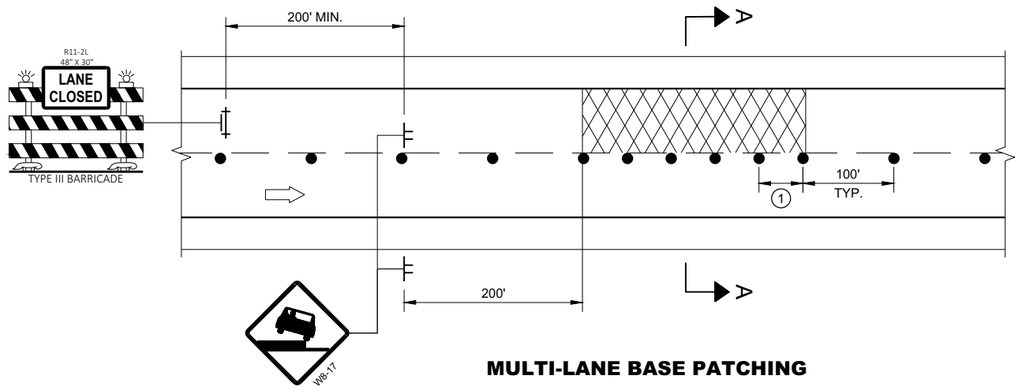


SECTION A - A

OR

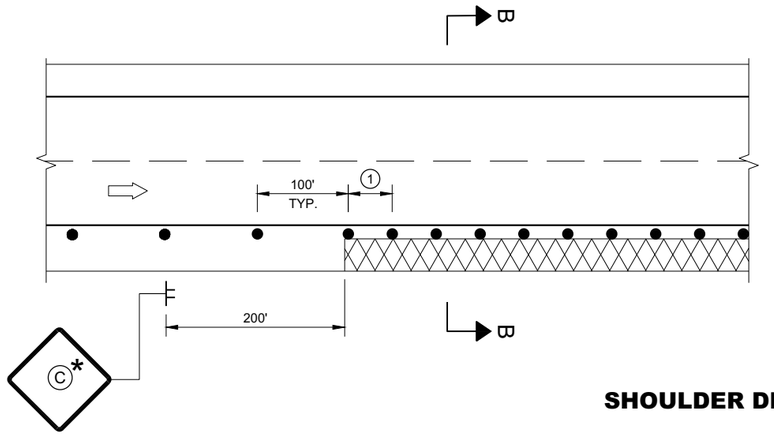


SECTION A - A

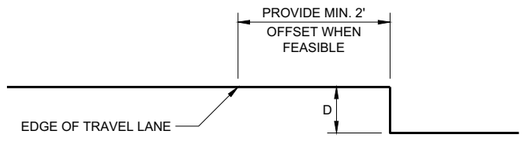


MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D39 - 02

6

SDD 15D39 - 02

GENERAL NOTES

DRAWING NOT TO SCALE. ALL SIGNS AND POSTS ON THIS SHEET SHALL BE PAID FOR WITH 'TRAFFIC CONTROL SIGNS' BID ITEM. ALL SIDE ROADS WHICH ARE UNDER CONSTRUCTION OF CURB AND GUTTER AND/OR GRADING SHALL BE ADEQUATELY SIGNED.

ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

SEE 15C34 FOR ADDITIONAL TRAFFIC CONTROL SIGNING WHEN CENTERLINE PAVEMENT MAKINGS ARE MISSING. 'DO NOT PASS' SIGNS MUST BE INSTALLED ON THE SAME DAY AS MILLING OPERATIONS.

(1) PLACE SIGNS 350' IN ADVANCE OF CHIP SEALED OR LOOSE GRAVEL SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

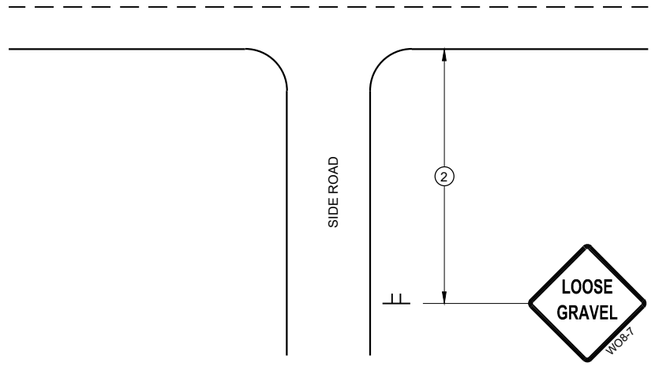
(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

(3) ADD WO8-1 OR WO8-2 SIGN WHEN THE CONDITION IS PRESENT.

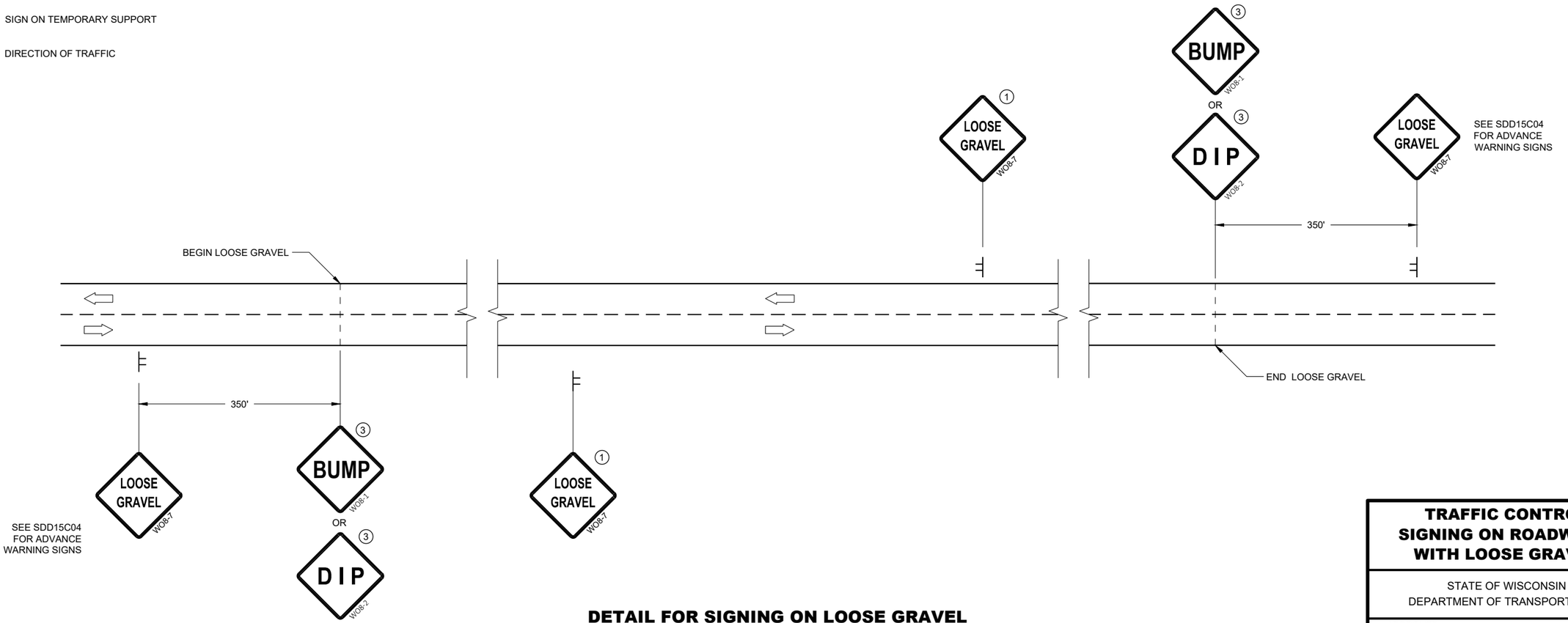
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON LOOSE GRAVEL OR CHIP SEALED SURFACES

TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15D45 - 03

6

SDD 15D45 - 03

LEGEND

V1 WORK VEHICLE

V2 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

FLASHING ARROW PANEL (CAUTION)

WORK AREA

DIRECTION OF TRAFFIC

POSTED SPEED PRIOR TO WORK STARTING (MPH)	DECISION SIGHT DISTANCE (D)
0 - 25	550'
30	550'
35	700'
40	700'
45	900'
50	900'
55	1200'

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION SIGHT DISTANCE EVERY 15 MINUTES.

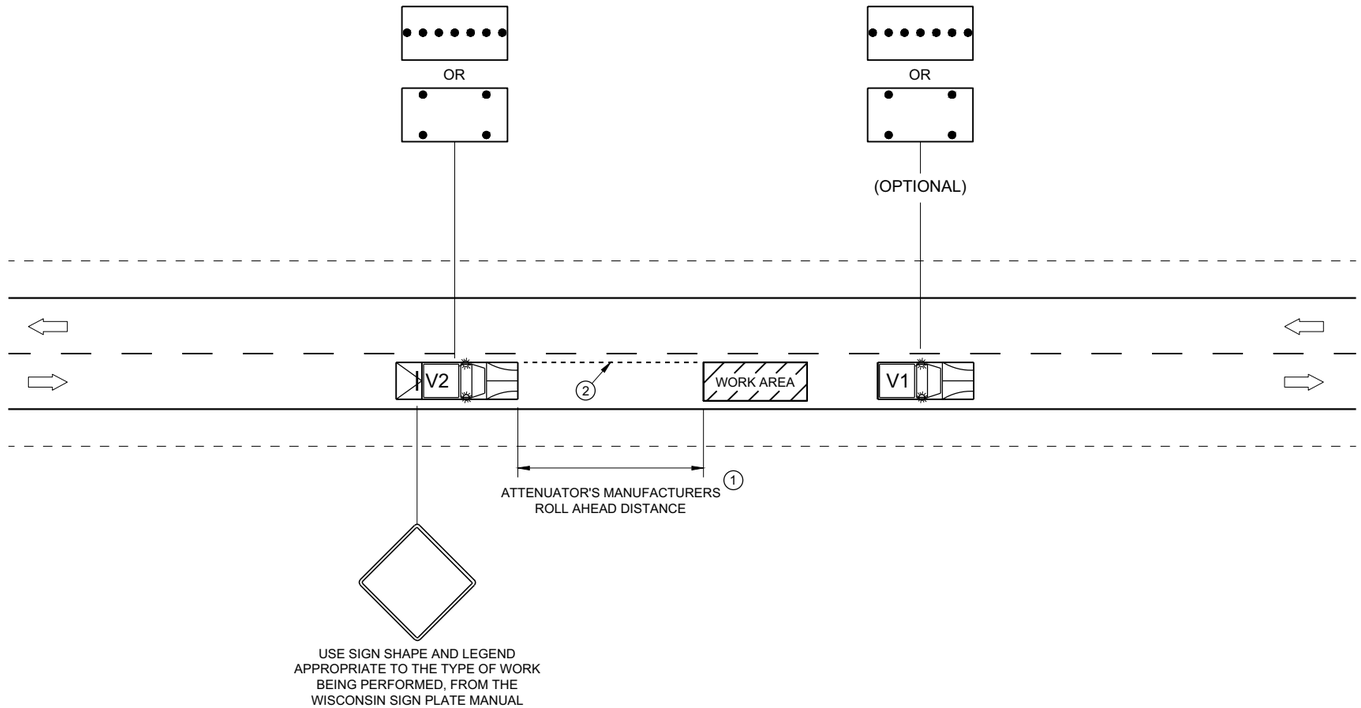
ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL ARROW PANELS SHALL BE REAR FACING, TYPE "B" OR "C", AND DISPLAYING THE FLASHING CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

(1) DISTANCE BETWEEN VEHICLES MAY INCREASE FROM THE ATTENUATOR'S ROLL AHEAD BASED ON TERRAIN, SIGHT DISTANCE, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

(2) ALIGN LEFT SIDE OF SHADOW VEHICLE WITH EDGE OF WORK AREA.



6

SDD 15D51 - 01

TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER
FHWA

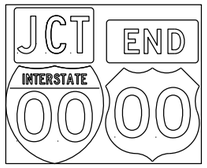
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SDD 15D51 - 01

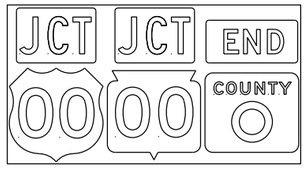
TYPICAL ASSEMBLIES



J1-1



J1-2



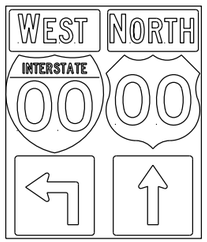
J1-3



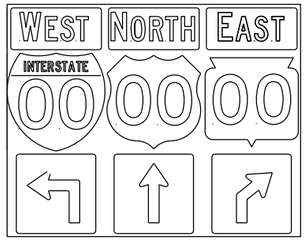
JR1-1



J2-1



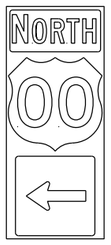
J2-2



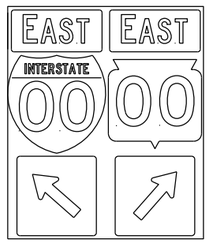
J2-3



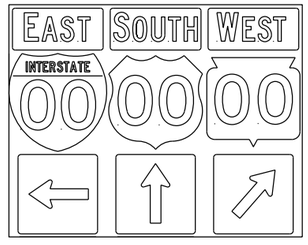
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



J3-1



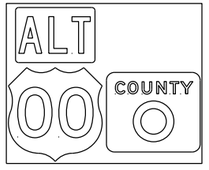
J3-2



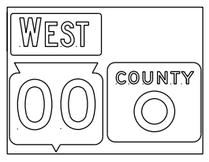
J3-3



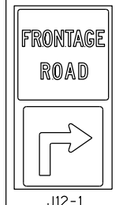
J4-1



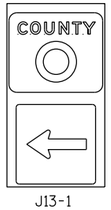
J4-2



J4-2



J12-1



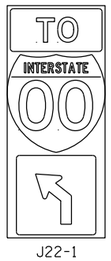
J13-1



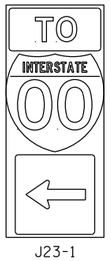
J32-1



J33-1



J22-1



J23-1



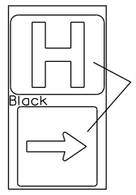
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JR23-1



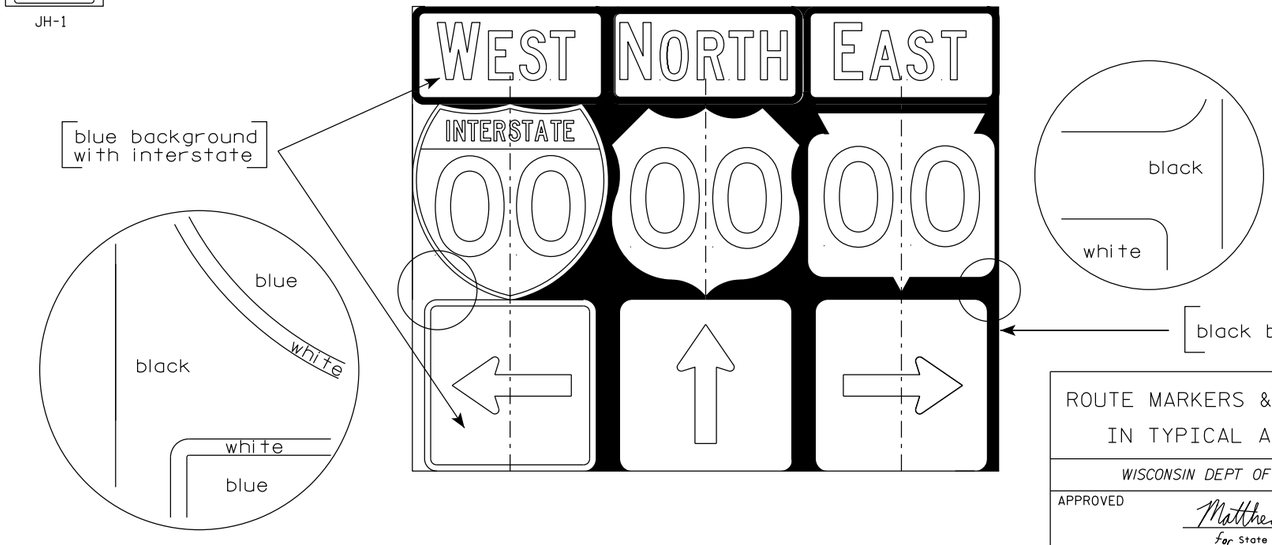
JR99-1



JH-1

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 4
3. Message Series - See Note 4
4. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
5. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
6. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
7. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
8. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. All Vertical J Assemblies are given a Sign Code of JV
10. For JV Assemblies that have a mixture of Interstate and Non-Interstate shields, arrows and cardinals shall be white on blue.
11. For JV Assemblies that have a mixture of Non-Interstate and Auto-Tour shields, arrows and cardinals shall be black on white.



ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

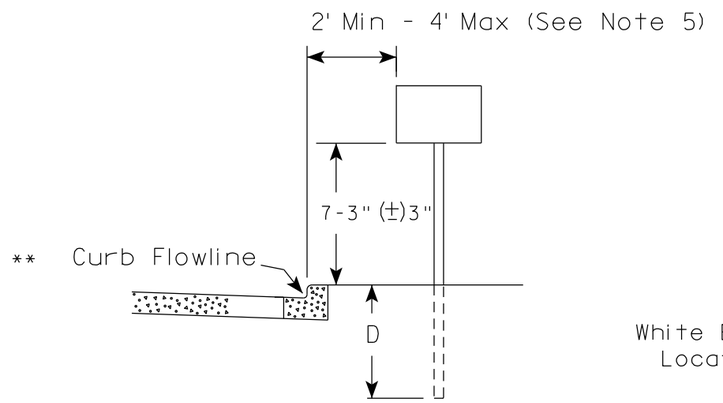
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/23 PLATE NO. A2-1S.10

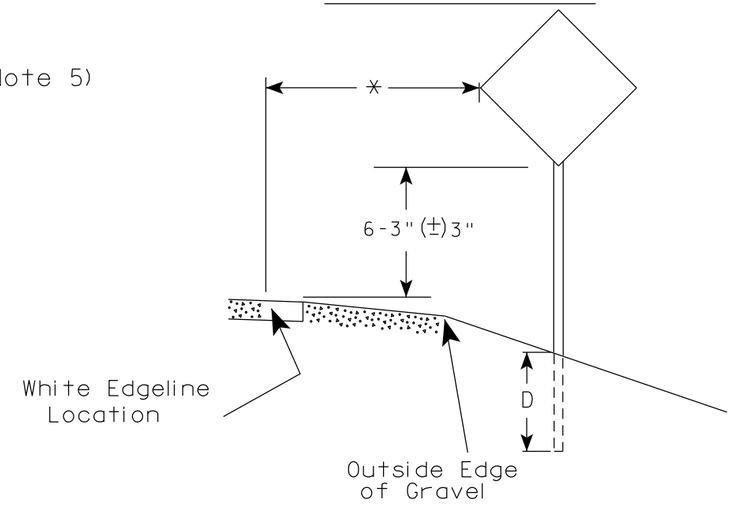
PROJECT NO:

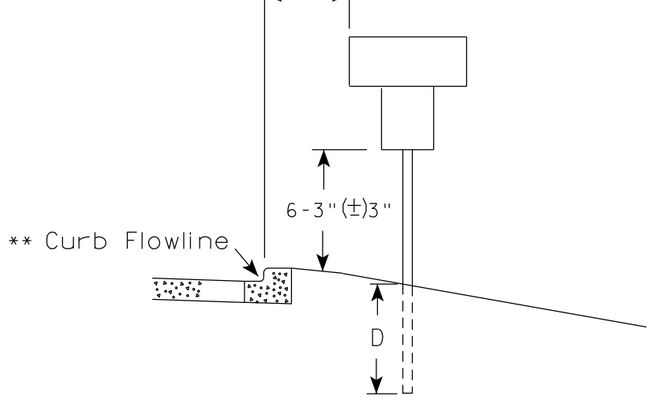
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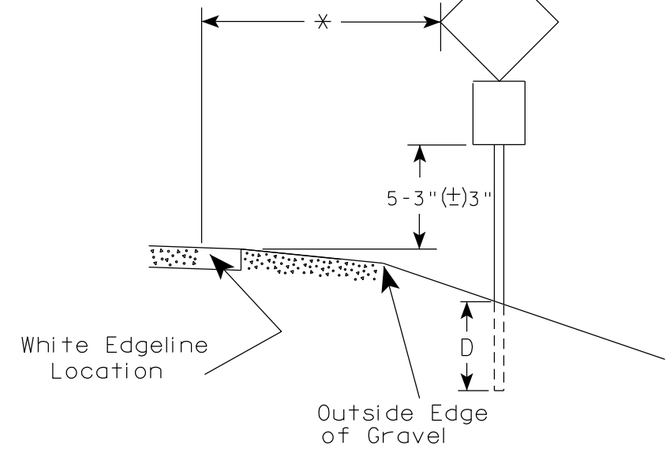
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

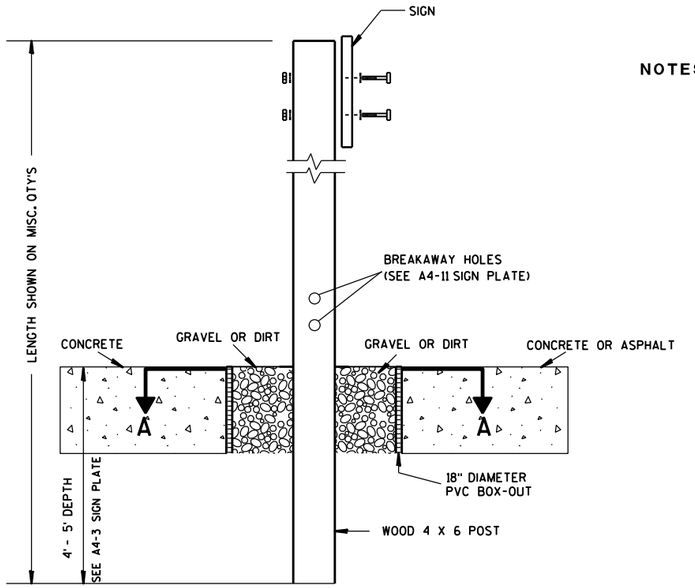
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

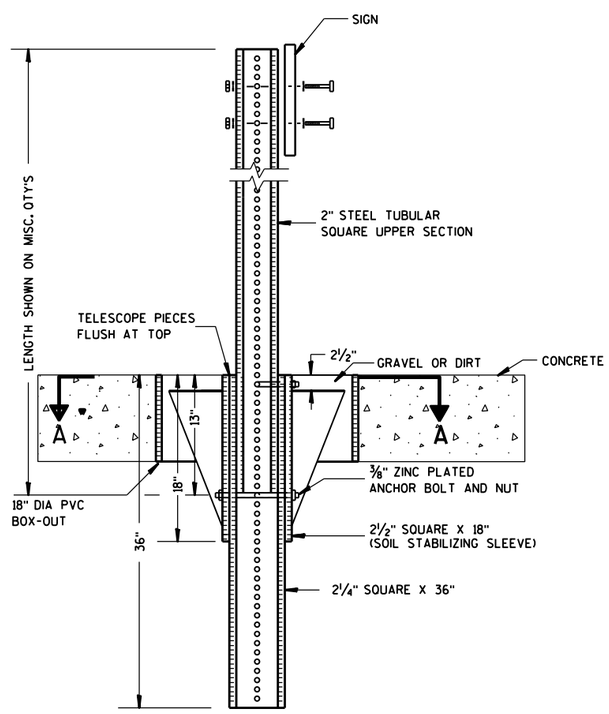
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 173	E



ELEVATION VIEW

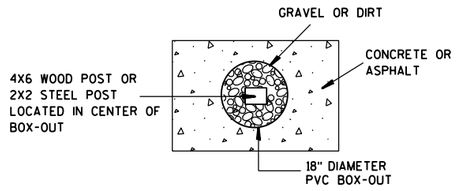
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

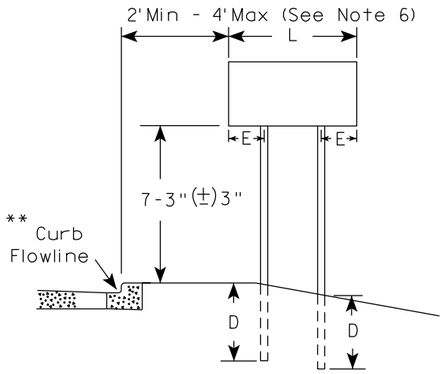
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

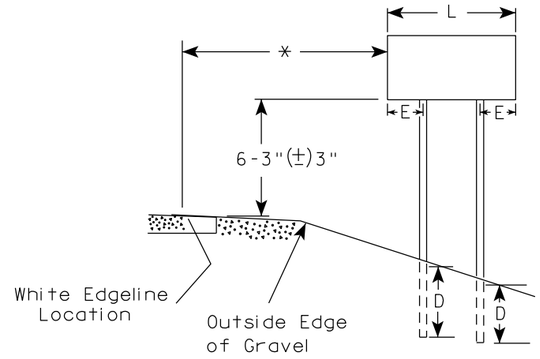
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

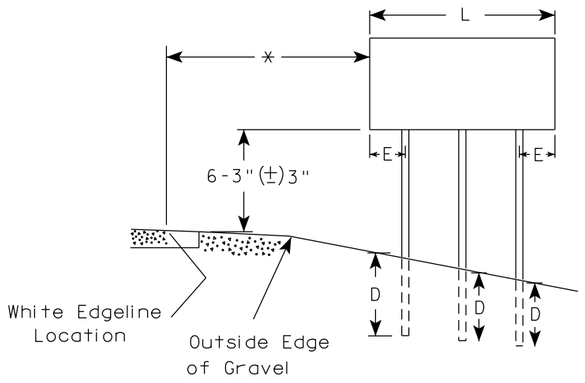
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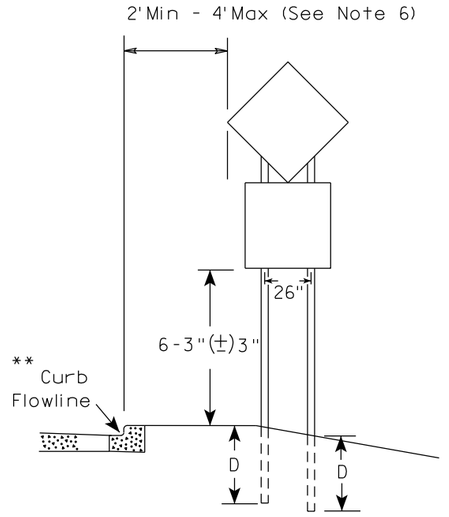
URBAN AREA



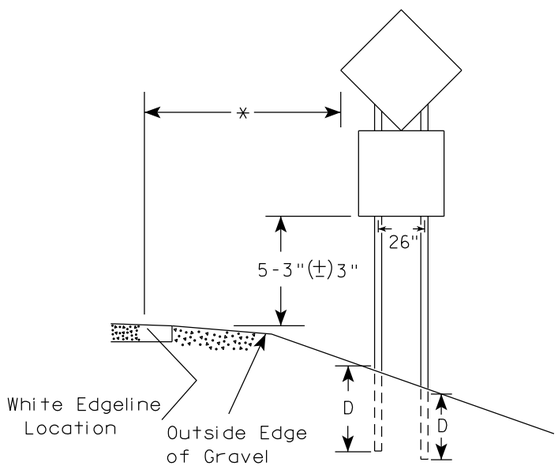
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

***	SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
	L	E
	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

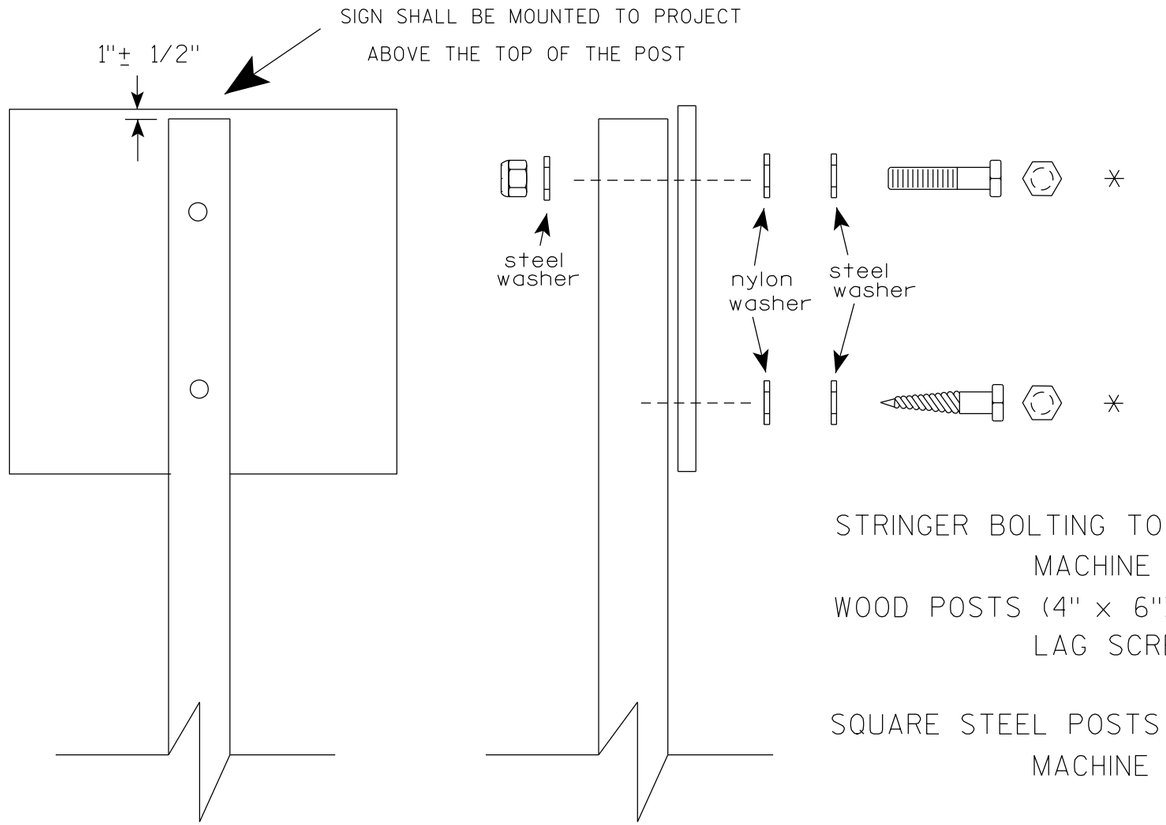
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 175	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

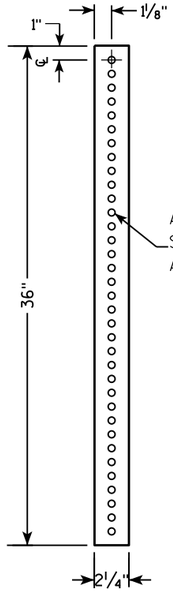
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

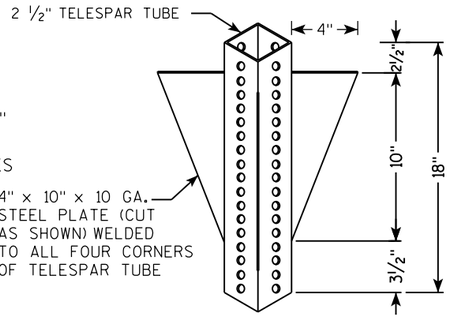
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

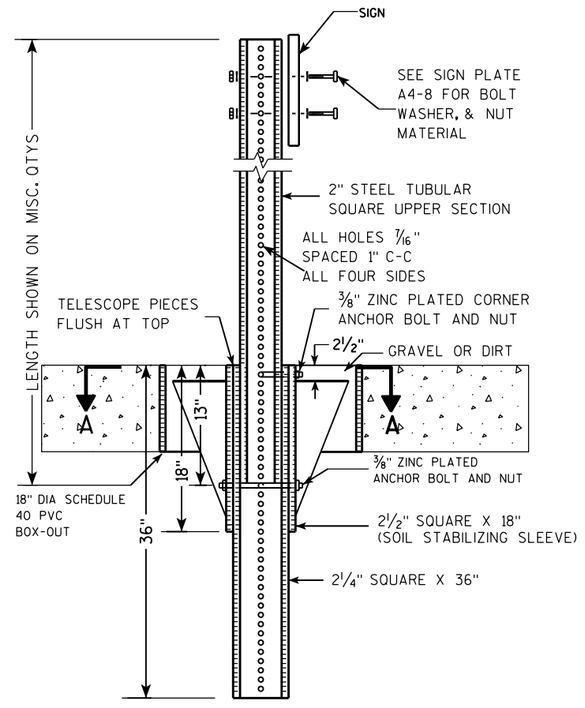
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



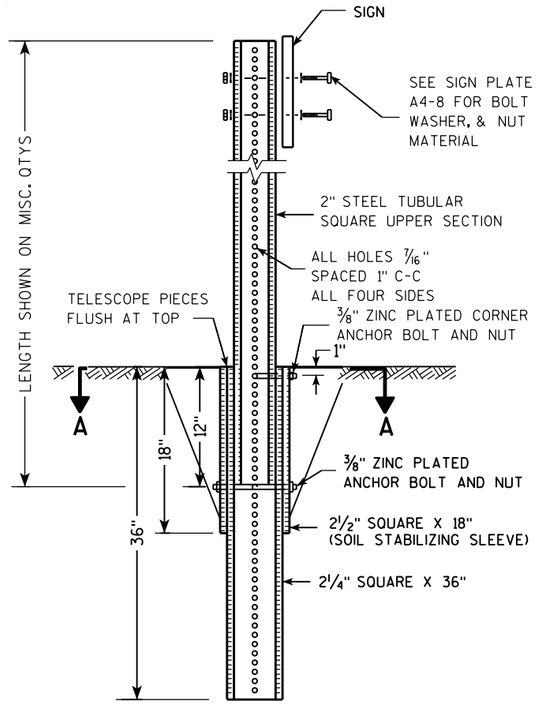
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

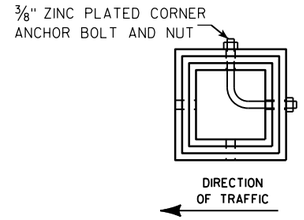


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

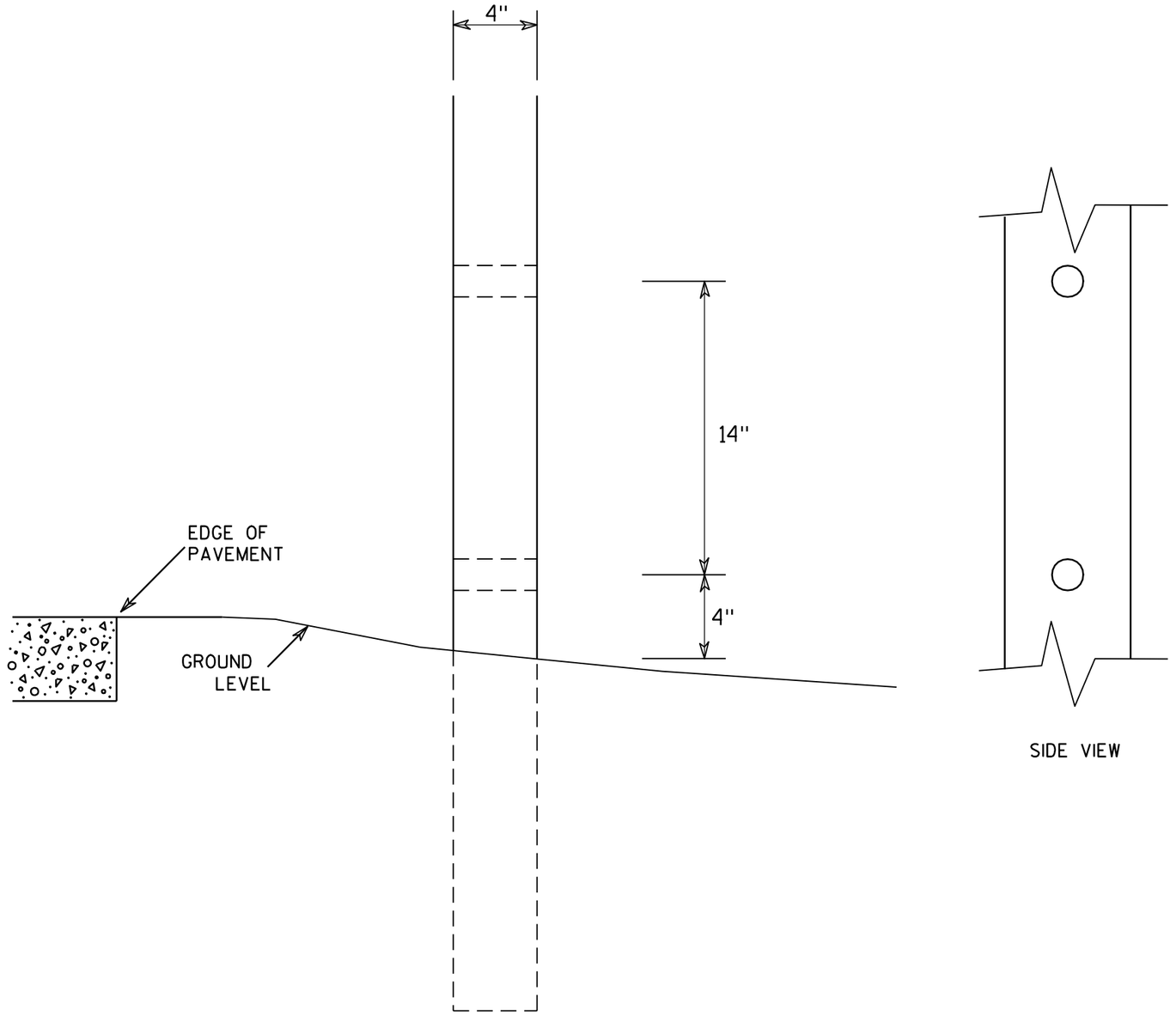
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 177 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

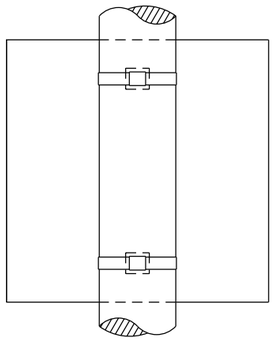
APPROVED Chester J Spang for State Traffic Engineer

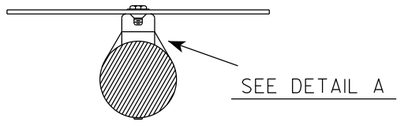
DATE 3/27/97 PLATE NO. A4-11.2

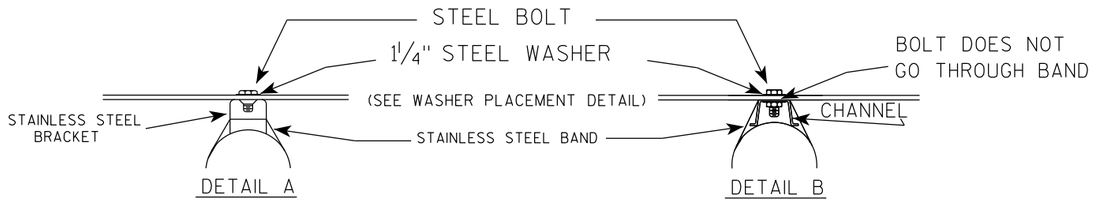
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 178	E

BANDING

SINGLE SIGN



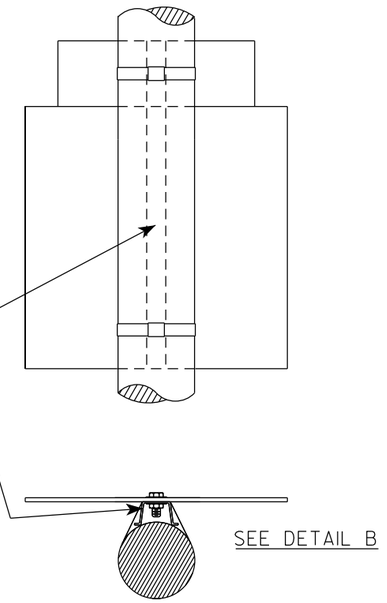




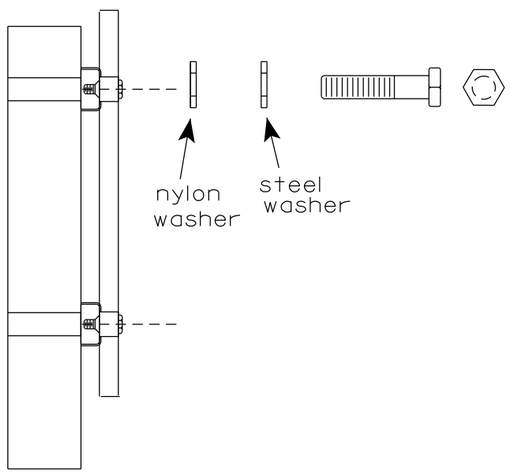
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

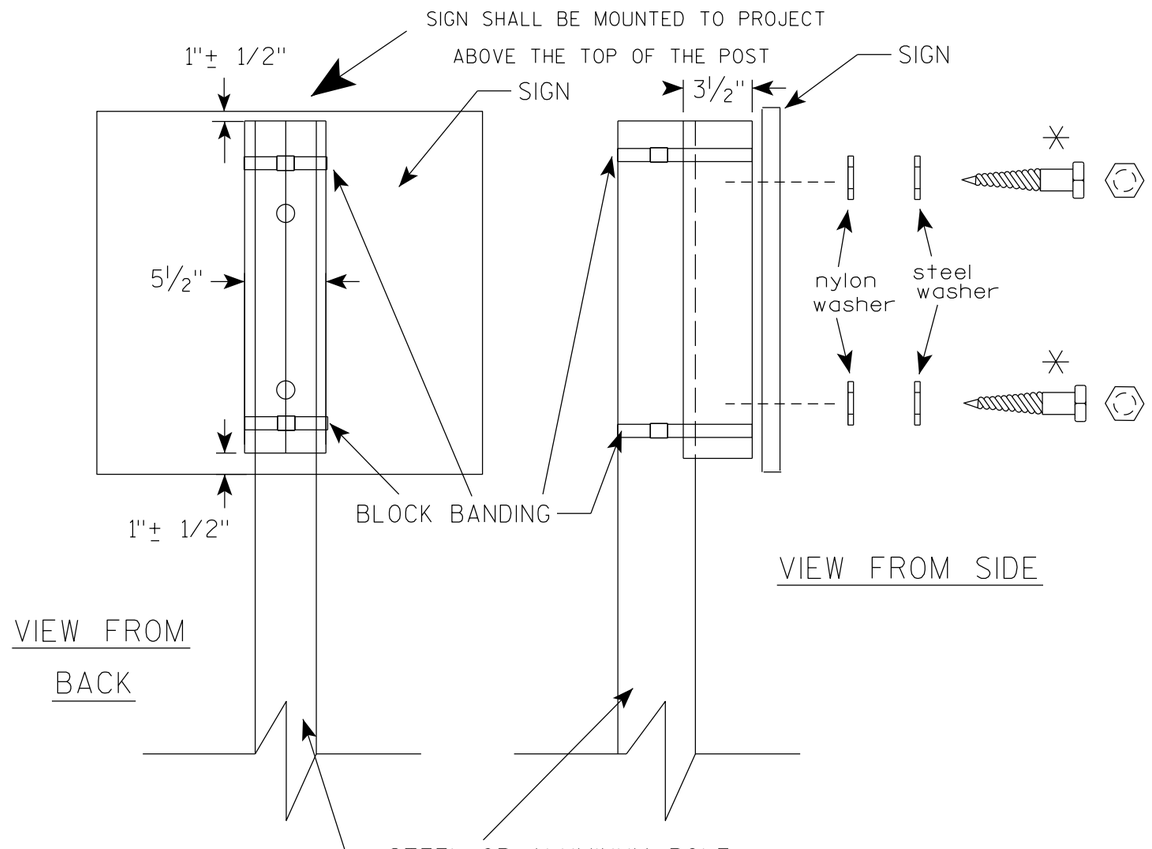
DATE 6/10/19 PLATE NO. A5-9.4

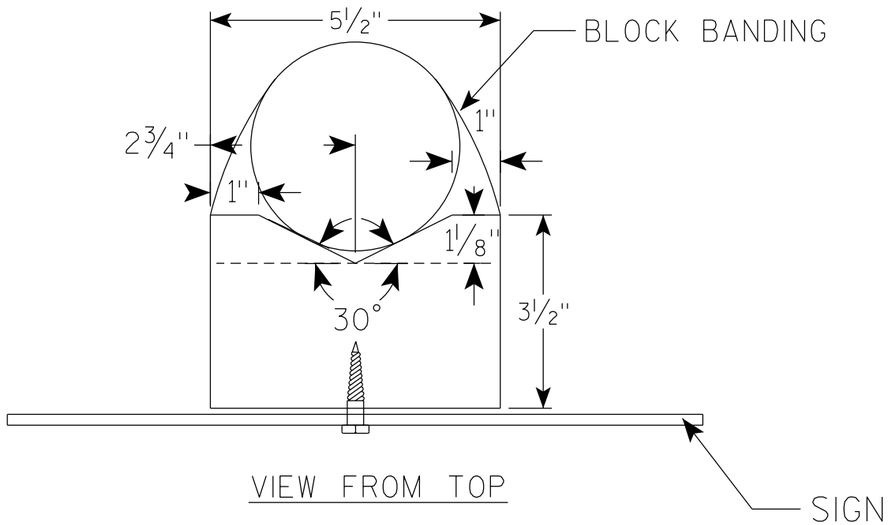
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7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

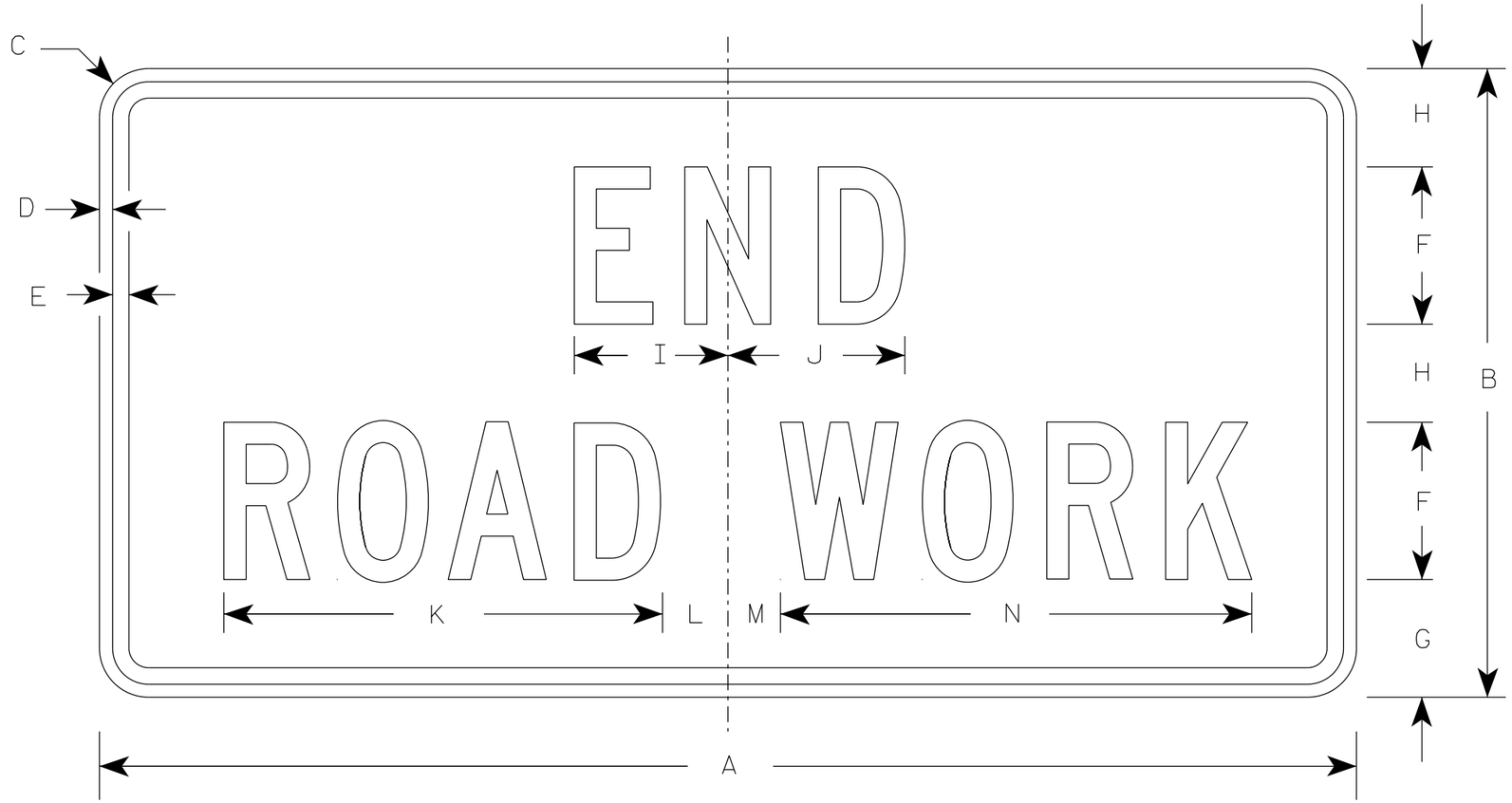
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 180 E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5
2	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
2M	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
3	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
4	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
5	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0

STANDARD SIGN

G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

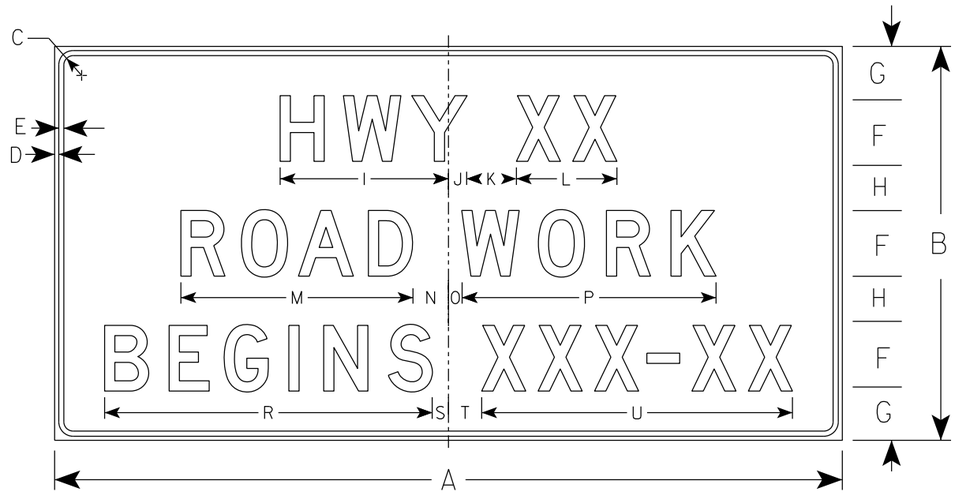
DATE 1/26/2023 PLATE NO. G20-2A.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\G202A.dgn PLOT DATE : 26-JAN 2023 8:27 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Substitute appropriate numeral and adjust spacing to achieve proper balance.



G20-57

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2																											
3	72	36	1 1/8	1/2	5/8	6	5	4	15 5/8	1 5/8	5	9 1/4	21 1/4	3 1/2	1 1/2	23 1/4		29 7/8	1 3/4	3 1/4	28 1/2						18.0
4	96	48	2 1/4	3/4	1	8	6 1/2	5 1/2	20 5/8	2 1/4	6	12 1/4	28 1/4	4 3/8	1 5/8	31		39 1/4	2	4	37 7/8						32.0
5																											

STANDARD SIGN
G20-57

WISCONSIN DEPT OF TRANSPORTATION

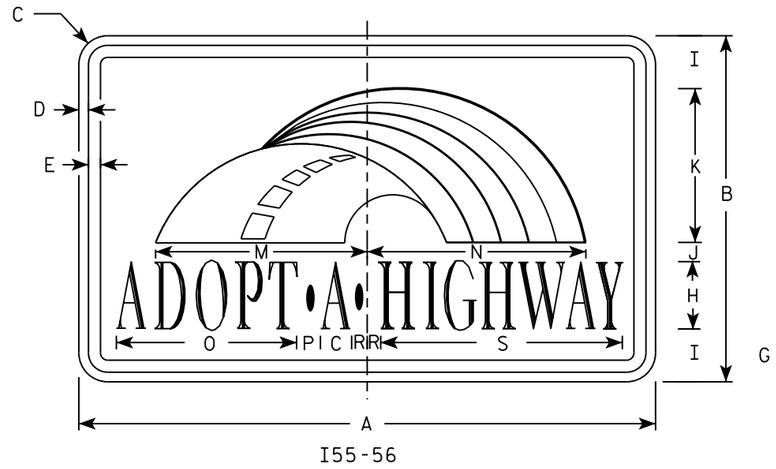
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/22/19 PLATE NO. G20-57.3

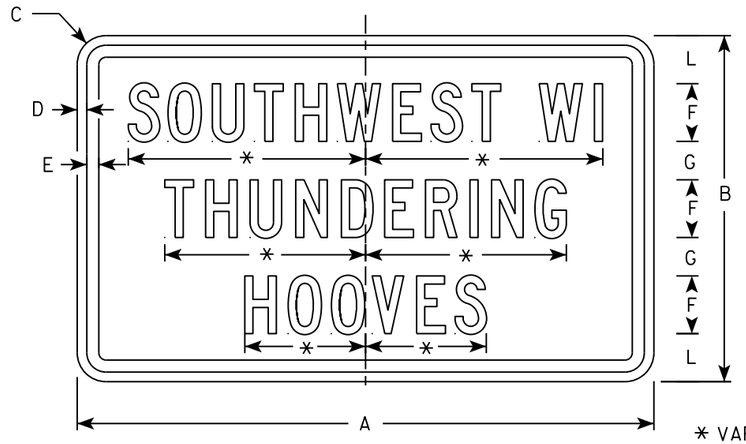
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 182 | E

7

7



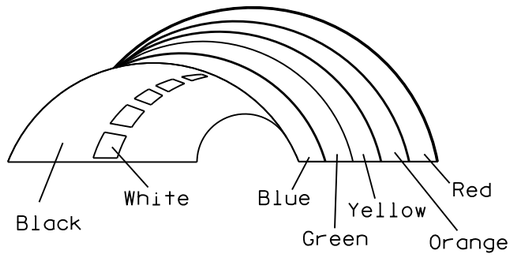
I55-56



I55-56P

* VARIES

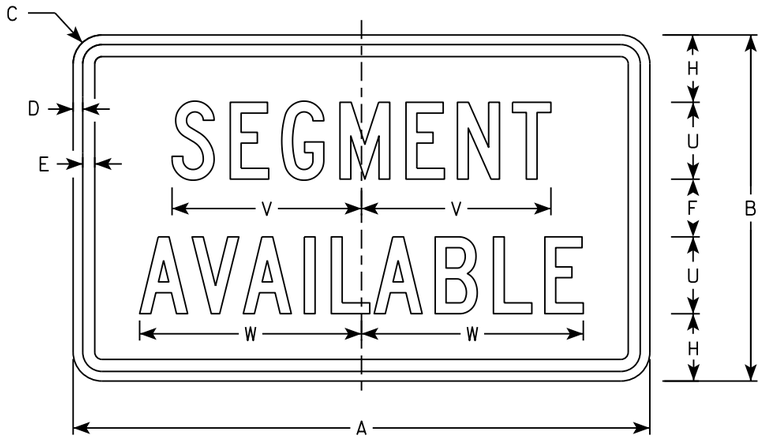
Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - (See Note 4)
3. Message Series - (See Note 5)
4. Border - Blue
   Adopt a Highway - Red
   All other Text - Blue
5. Adopt a Highway - Dutch 8011L
   All other Text - Series C
6. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.



I55-56S

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	18	1 1/2	1/2	5/8	3	2	3 1/2	2 3/4	1	8	2 1/2	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2	4	9 7/8	11 1/2				3.75
3																											
4																											
5																											

STANDARD SIGN
I55-56

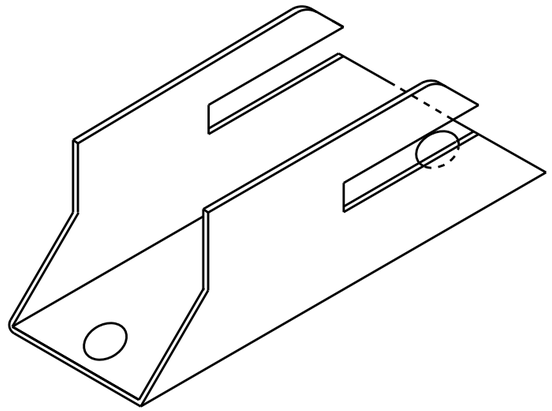
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

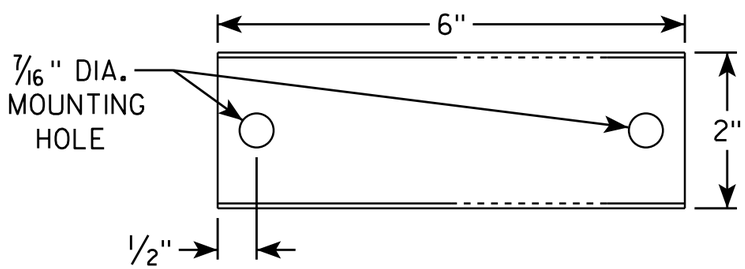
DATE 2/20/18 PLATE NO. I55-56.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 183 | E

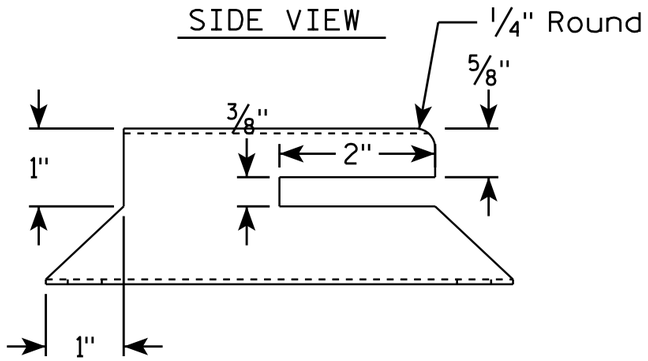
ISOMETRIC VIEW



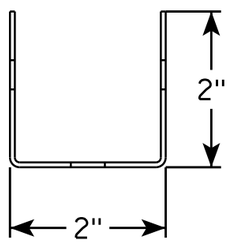
TOP VIEW



SIDE VIEW



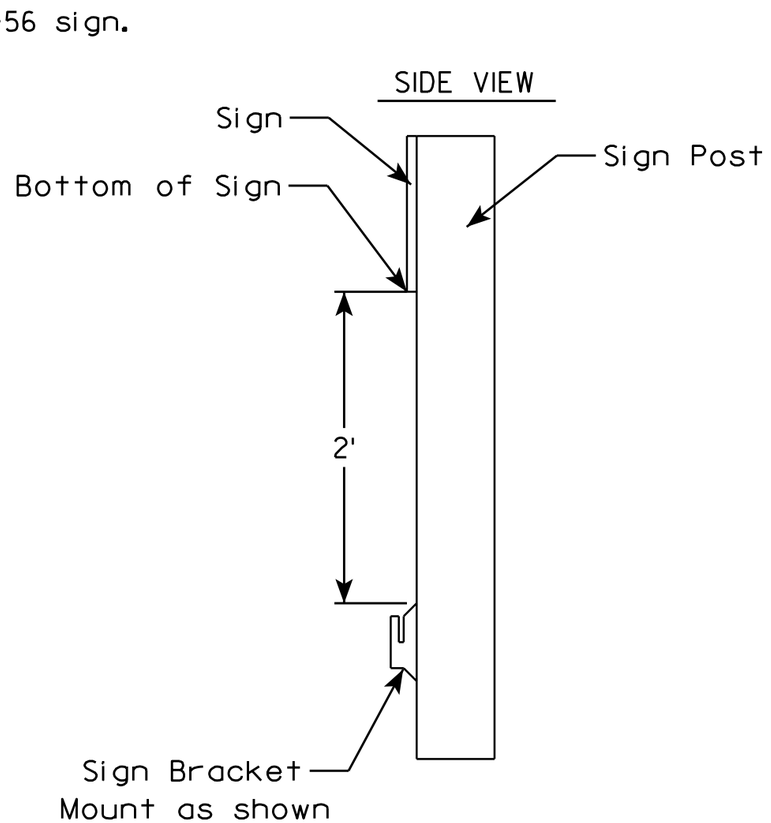
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



7

7

ROLLUP SIGN BRACKET
I55-56B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

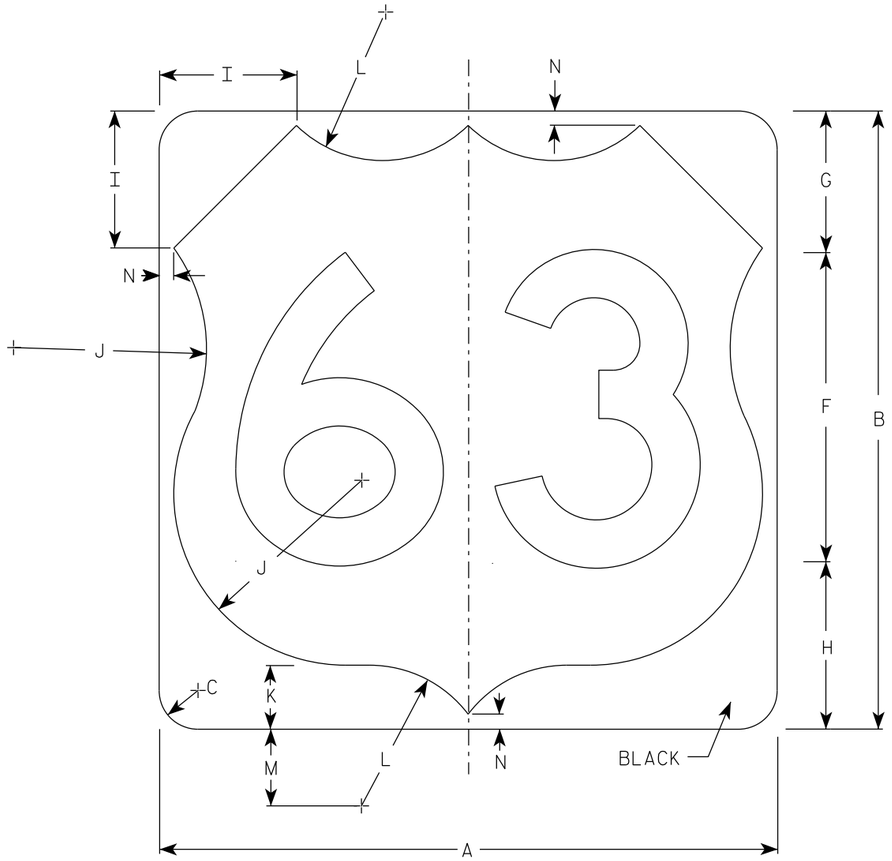
DATE 4/26/16 PLATE I55-56B.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

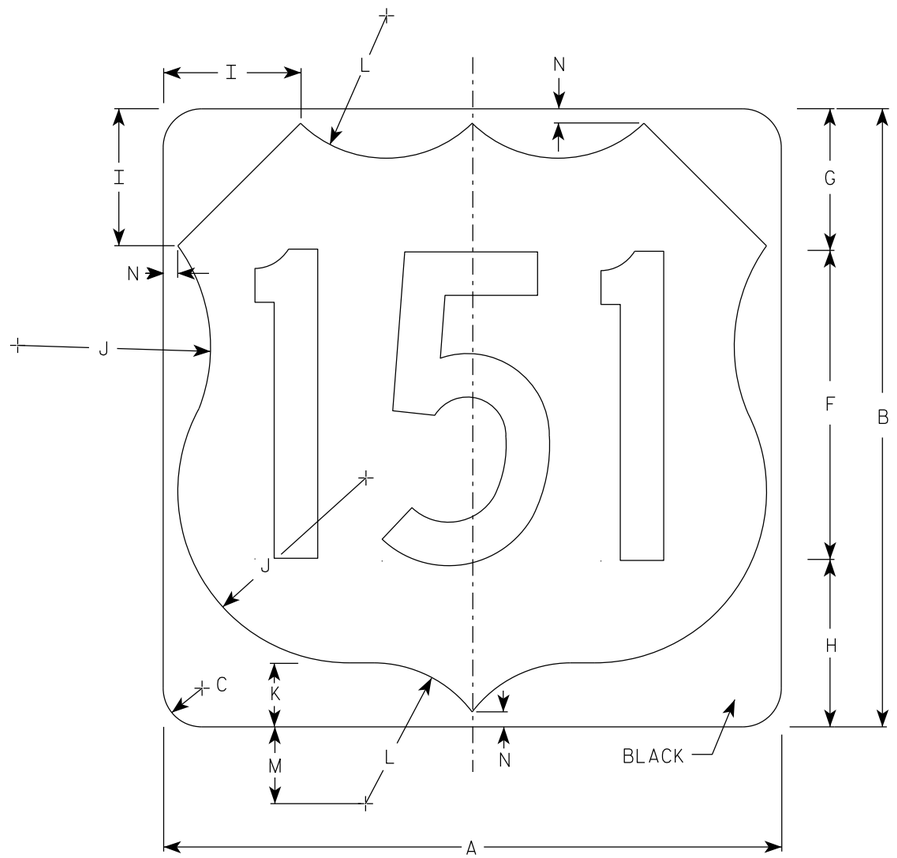
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\I5556B.DGN PLOT DATE : 26-APR-2016 17:29 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 1.945842:1.000000 WISDOT/CADDS SHEET 42

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C



M1-4



M1-4

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
2M	24	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0

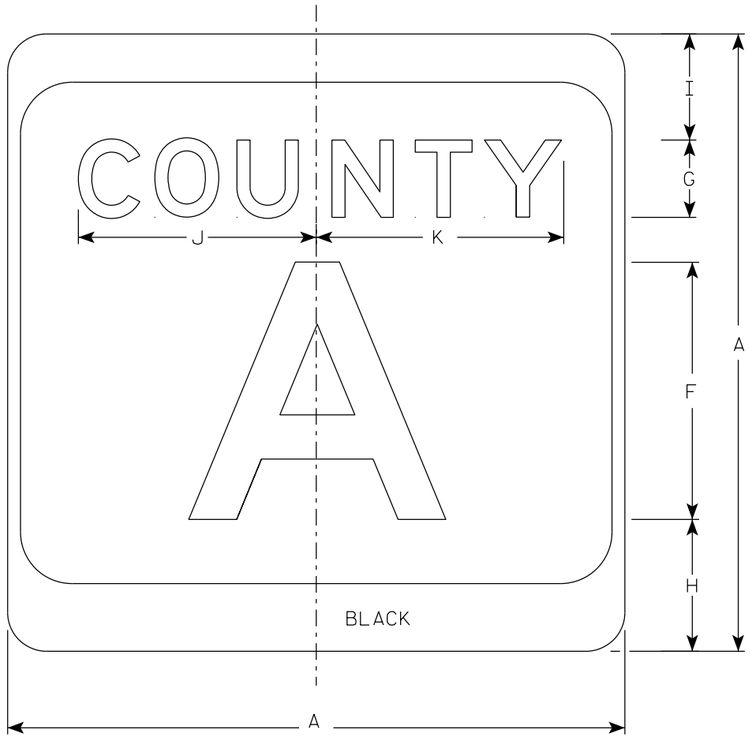
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

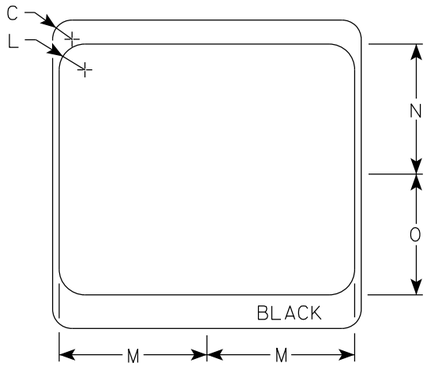
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/22 PLATE NO. M1-4.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 185 E

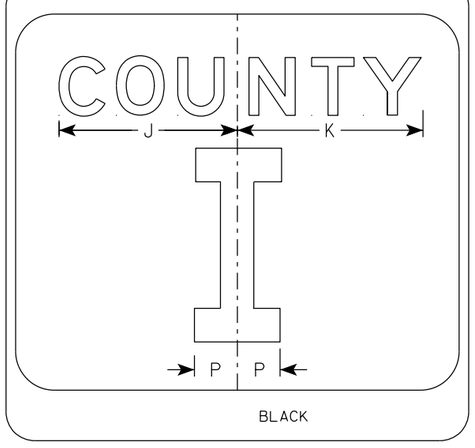


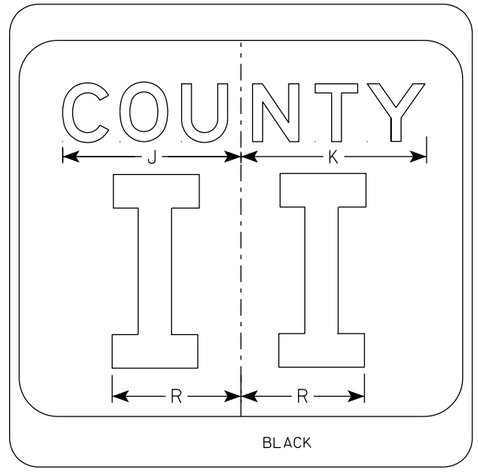
M1-5A



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White & Black
   Message - Black
3. Message Series - see Note 4
4. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
5. Substitute appropriate letters & optically center to achieve proper balance.





SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
2M	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

CTH MARKER
M1-5A FOR ASSEMBLIES

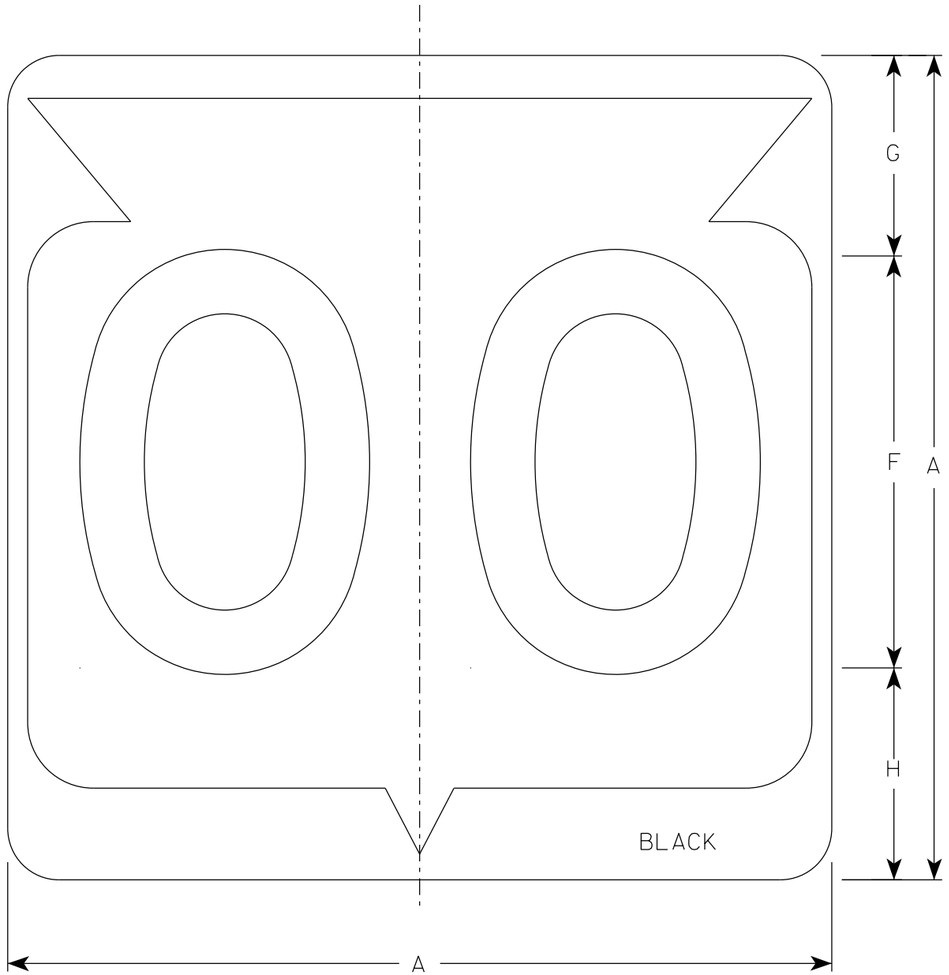
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-5A.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

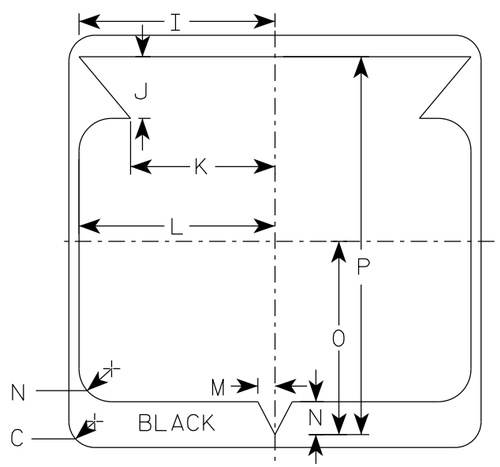
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M15A.dgn PLOT DATE : 8-NOV 2022 8:26 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
2M	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

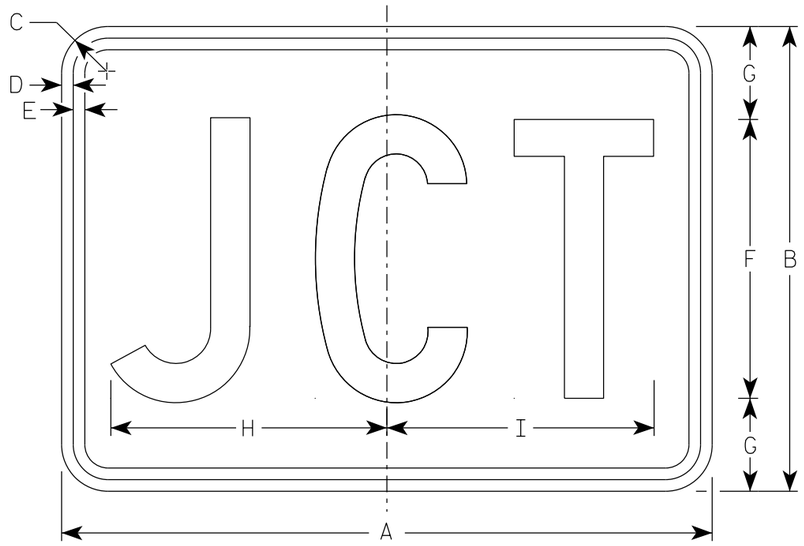
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

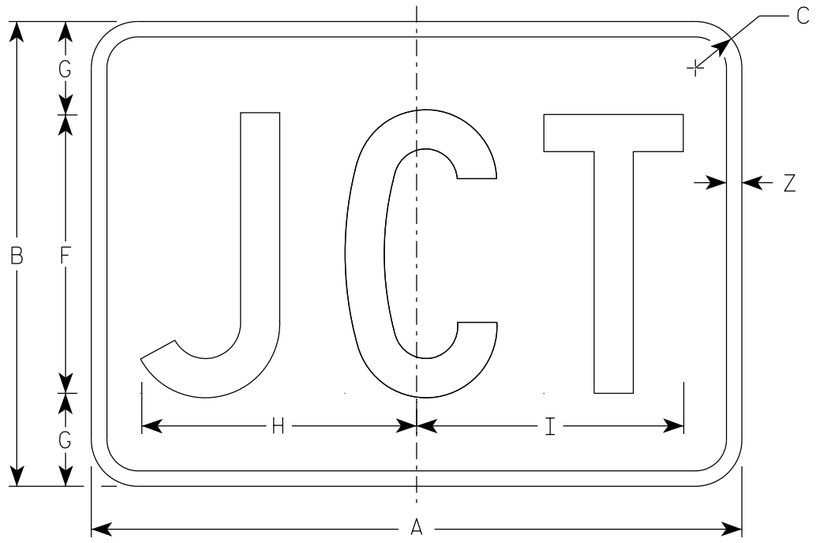
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/2022 PLATE NO. M1-6.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 187	E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
2M	21	15	1 1/2	3/8	3/8	9	3	8 7/8	8 5/8																	1/2	2.20
3	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
4	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40
5	30	21	1 1/2	3/8	3/8	13	4	12 7/8	12 3/8																	1/2	4.40

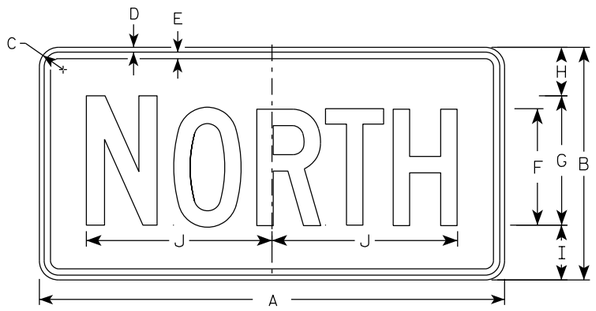
STANDARD SIGN
M2-1

WISCONSIN DEPT OF TRANSPORTATION

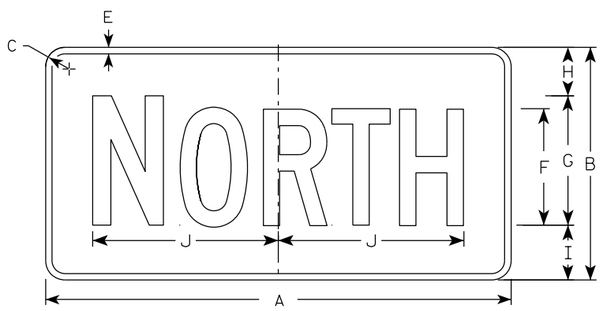
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/8/2023 PLATE NO. M2-1.14

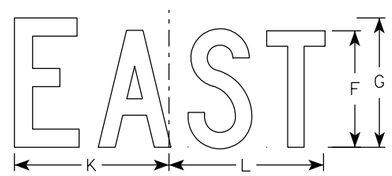
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 188 | E



M3-1
MM3-1
MP3-1



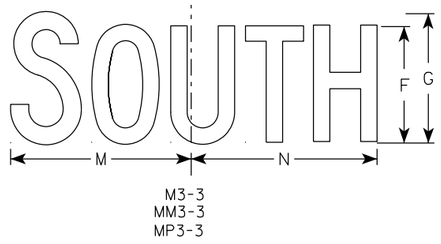
MB3-1
MK3-1
MN3-1



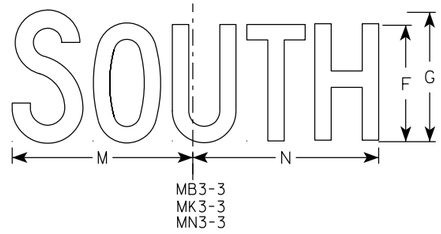
M3-2
MM3-2
MP3-2



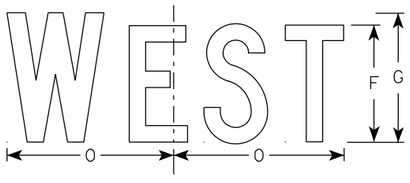
MB3-2
MK3-2
MN3-2



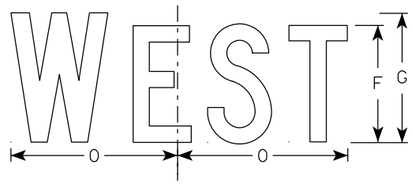
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
2M	24	12	1 1/2	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4												2.00
3	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
4	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
5	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5

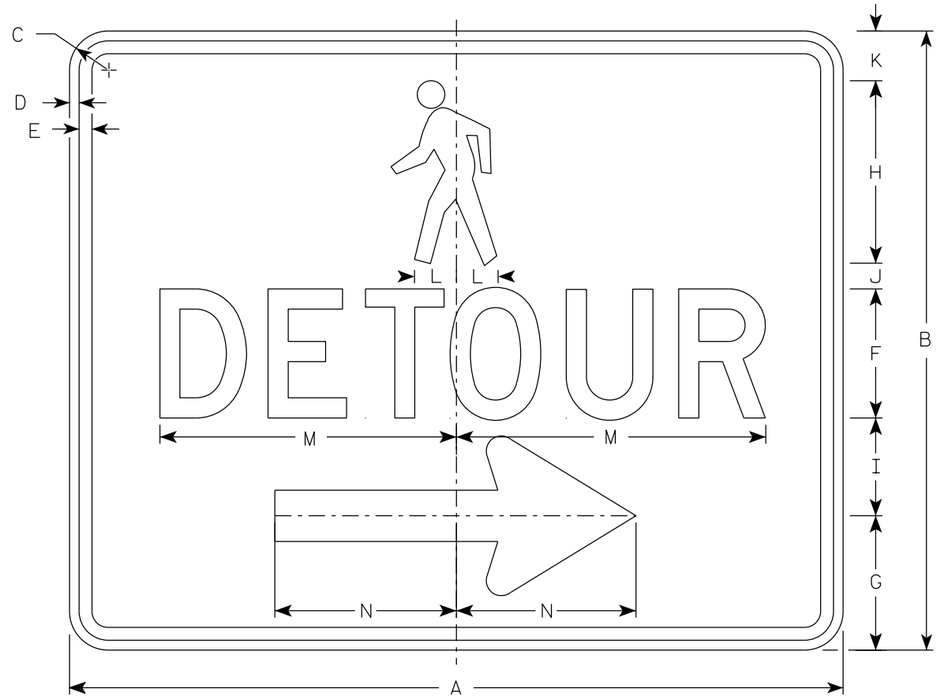
STANDARD SIGNS
M3-1 THRU M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/8/2023 PLATE NO. M3-1.15

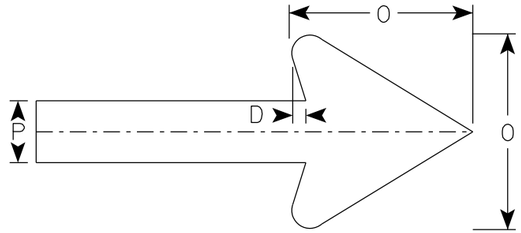
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 189 | E



M4-9BR

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9BL is the same as M4-9BR except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.0
2M	30	24	1 1/2	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.0
3																											
4																											
5																											

STANDARD SIGN
M4-9B L&R

WISCONSIN DEPT OF TRANSPORTATION

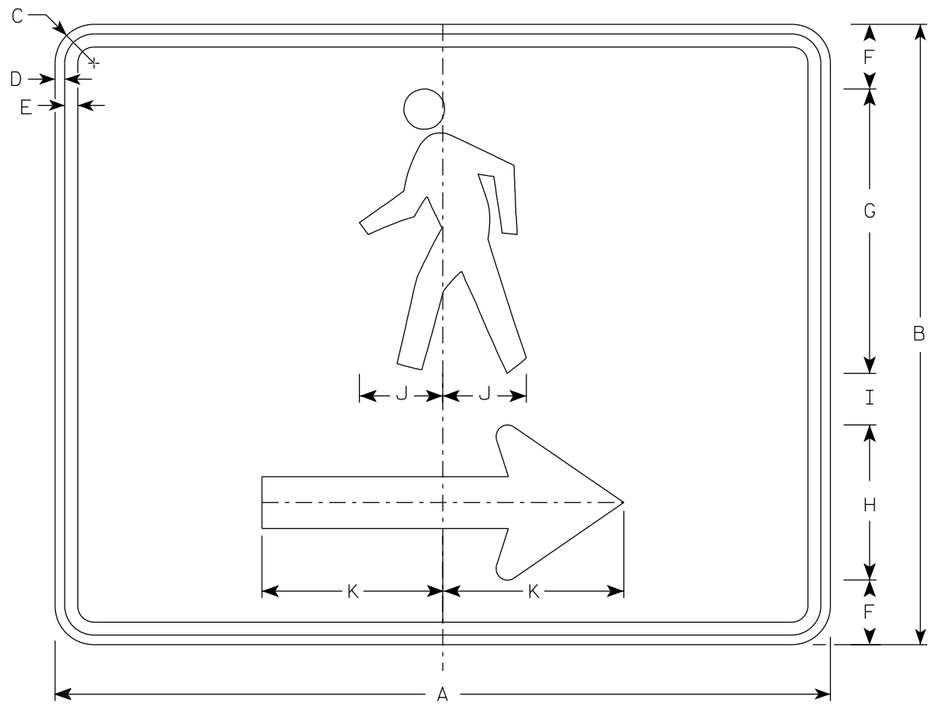
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9B.4

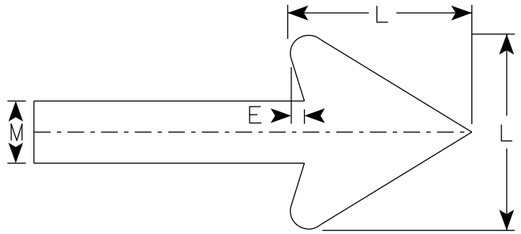
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 190 | E

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M4-60L is the same as M4-60R except the arrow is reversed.



M4-60R



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 ½	⅜	½	2 ½	11	6	2	3 ¼	7	6	2														5.00
2M	30	24	1 ½	⅜	½	2 ½	11	6	2	3 ¼	7	6	2														5.00
3																											
4																											
5																											

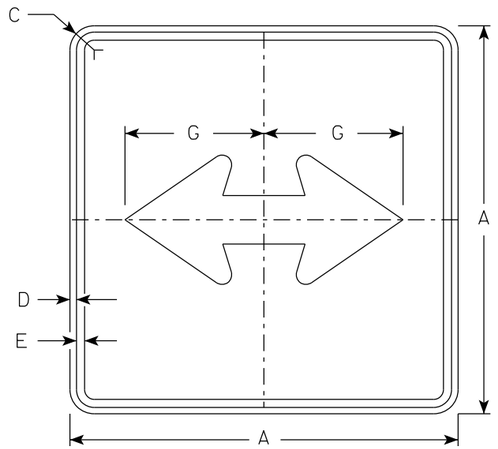
STANDARD SIGN
M4-60 L&R

WISCONSIN DEPT OF TRANSPORTATION

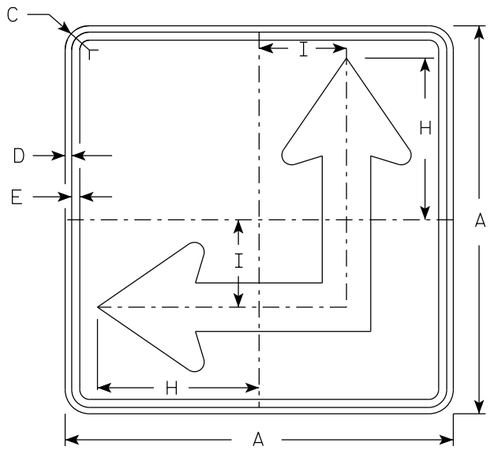
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/2023 PLATE NO. M4-60.2

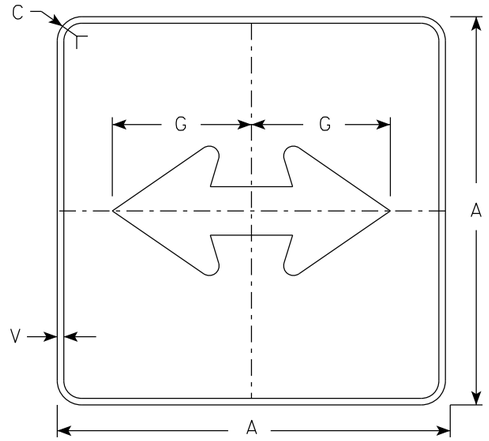
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 191 | E



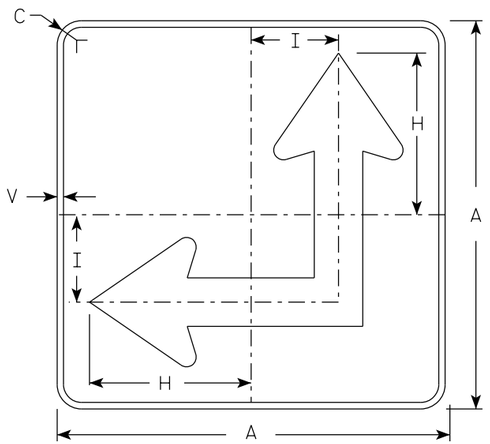
M6-4
MM6-4
MO6-4
MP6-4



M6-6
MM6-6
MO6-6
MP6-6



MB6-4
MK6-4
MN6-4
MR6-4

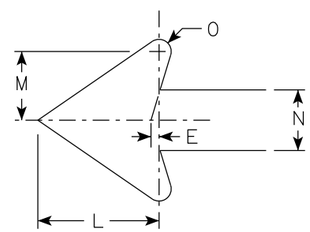


MB6-6
MK6-6
MN6-6
MR6-6

NOTES

1. Signs are Type II - Type H Reflective except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.

ARROW DETAIL



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 7/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

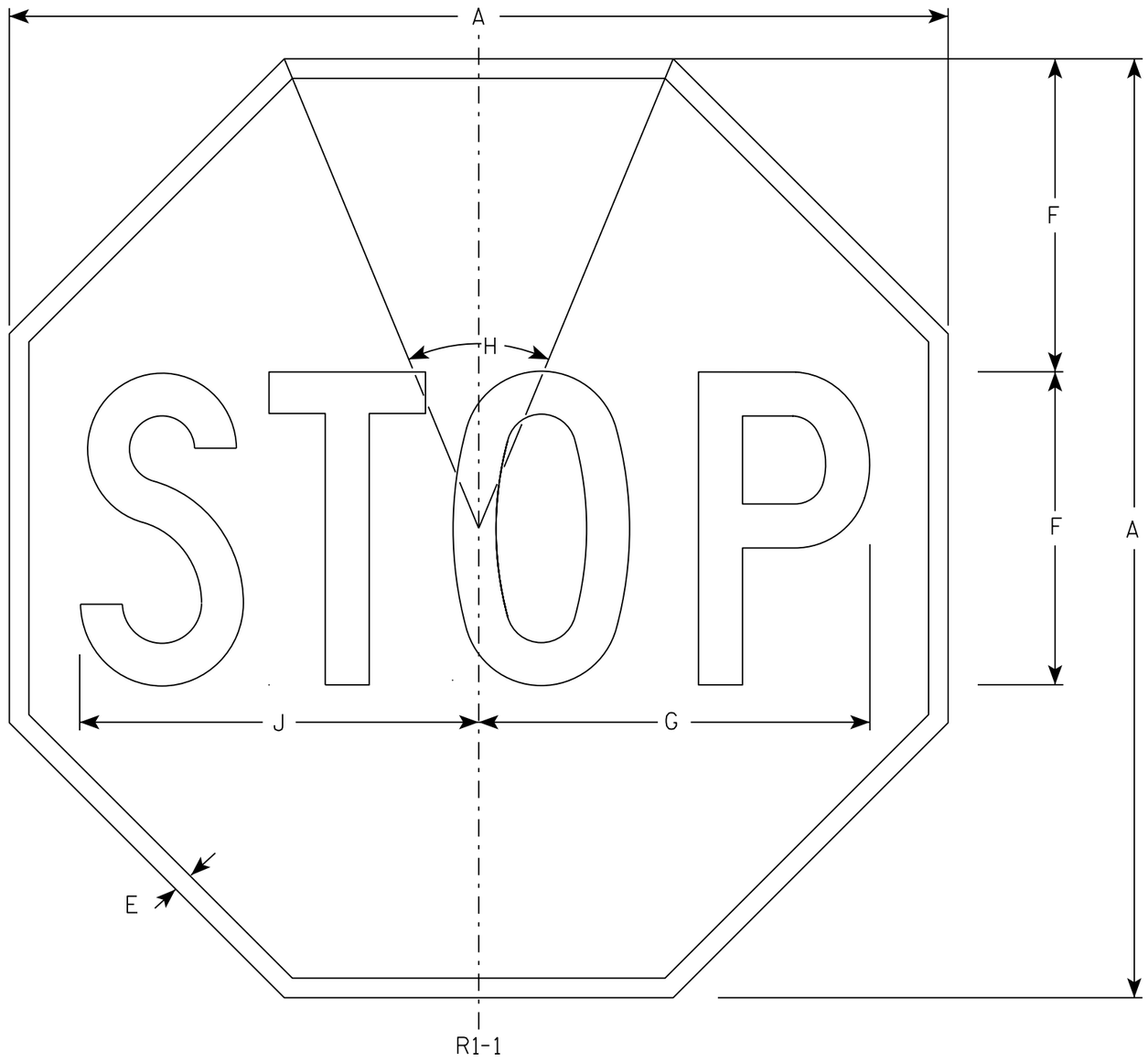
STANDARD SIGN M6-4 & M6-6 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-4.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 192 | E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN

R1-1

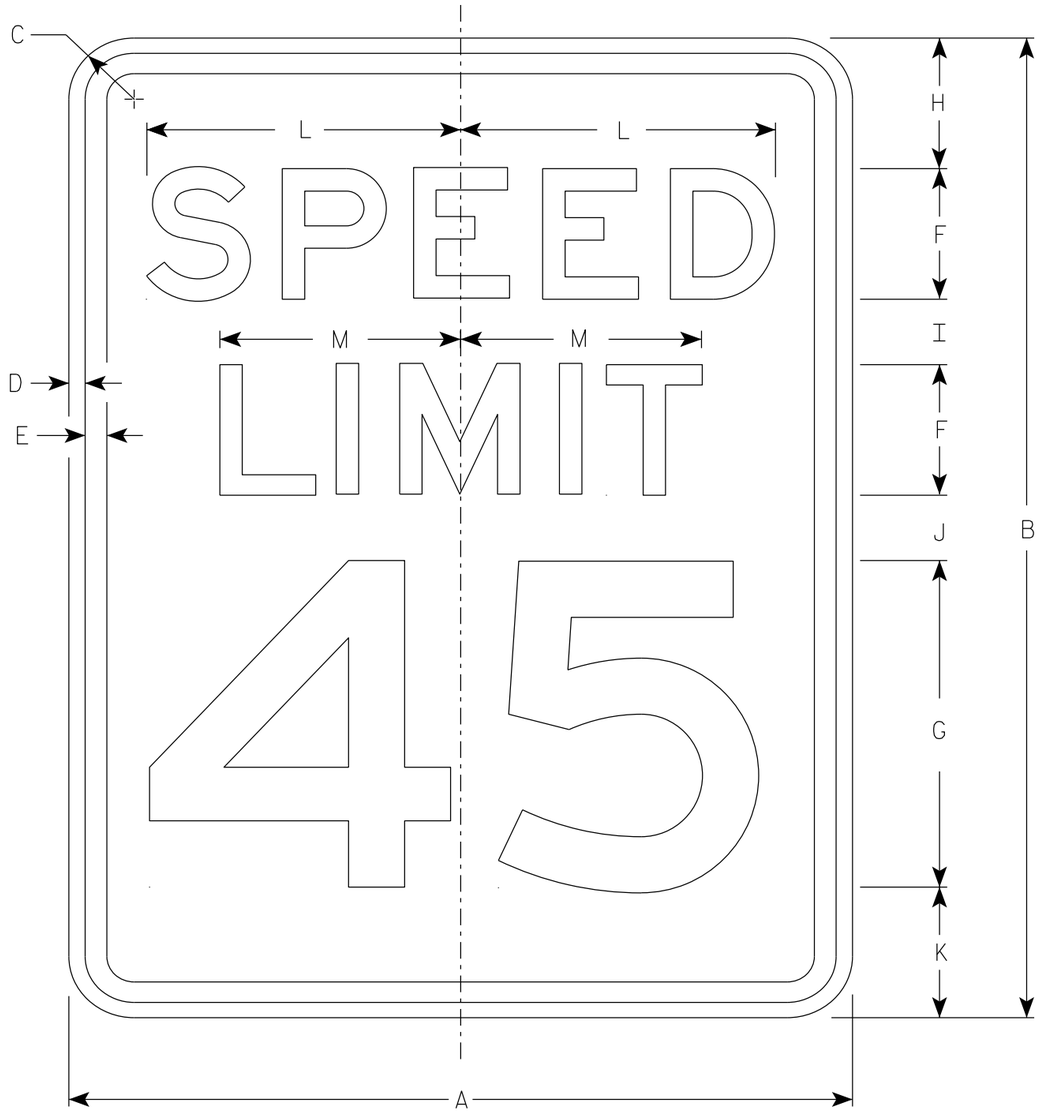
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 193	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/2	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/2	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 7/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	3	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

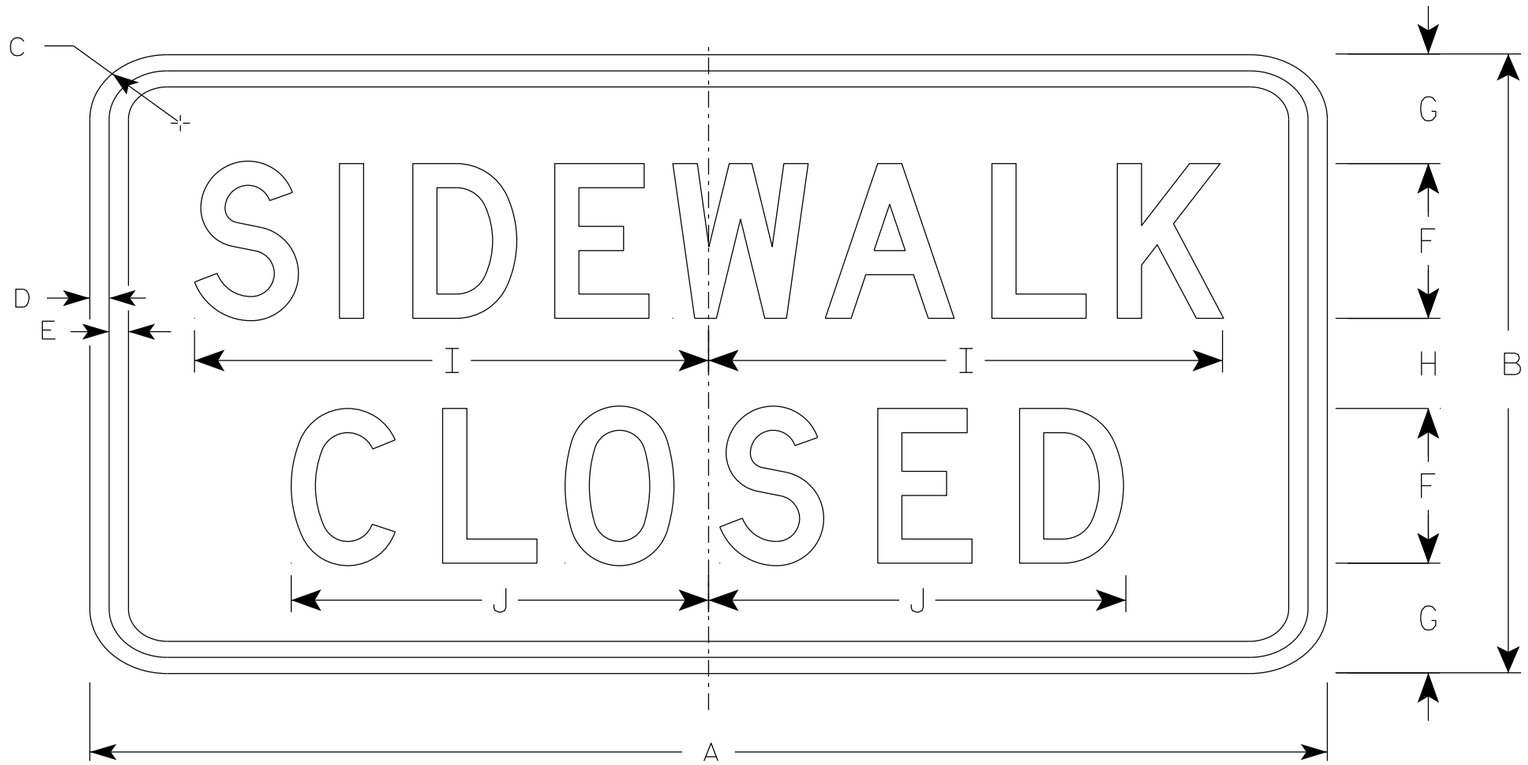
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 194 | E



R9-9

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 ½	½	½	3	2 ⅛	1 ¾	10	8 ⅛																	2.0
2M	24	12	1 ½	½	½	3	2 ⅛	1 ¾	10	8 ⅛																	2.0
3	30	18	1 ½	½	½	4	3 ½	3	12 ½	10 ¼																	3.75
4																											
5																											

STANDARD SIGN
R9-9

WISCONSIN DEPT OF TRANSPORTATION

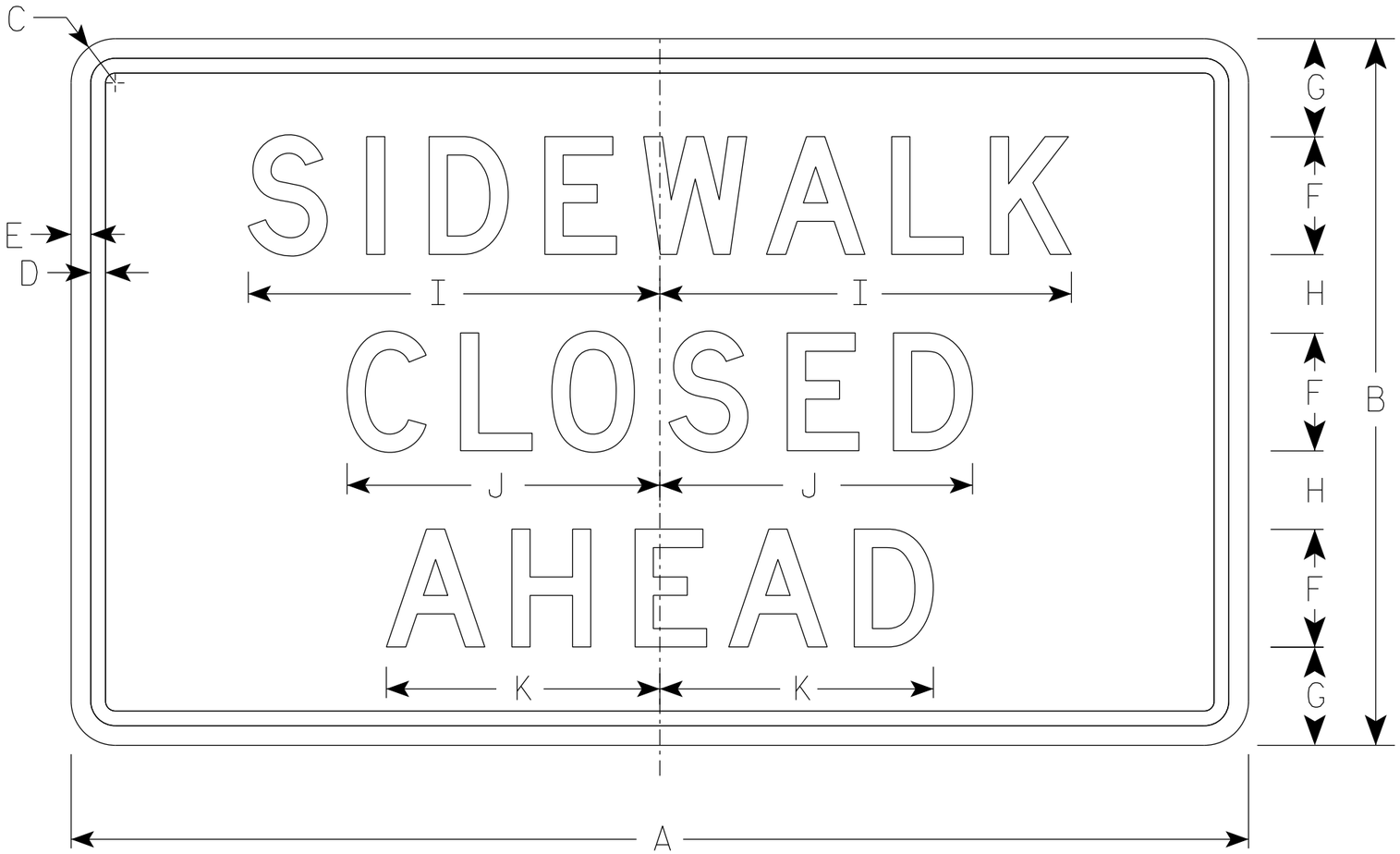
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 195 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



R9-9A

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 ½	⅜	½	3	2 ½	2	10 ½	8	7																3.75
2M	30	18	1 ½	⅜	½	3	2 ½	2	10 ½	8	7																3.75
3																											
4																											
5																											

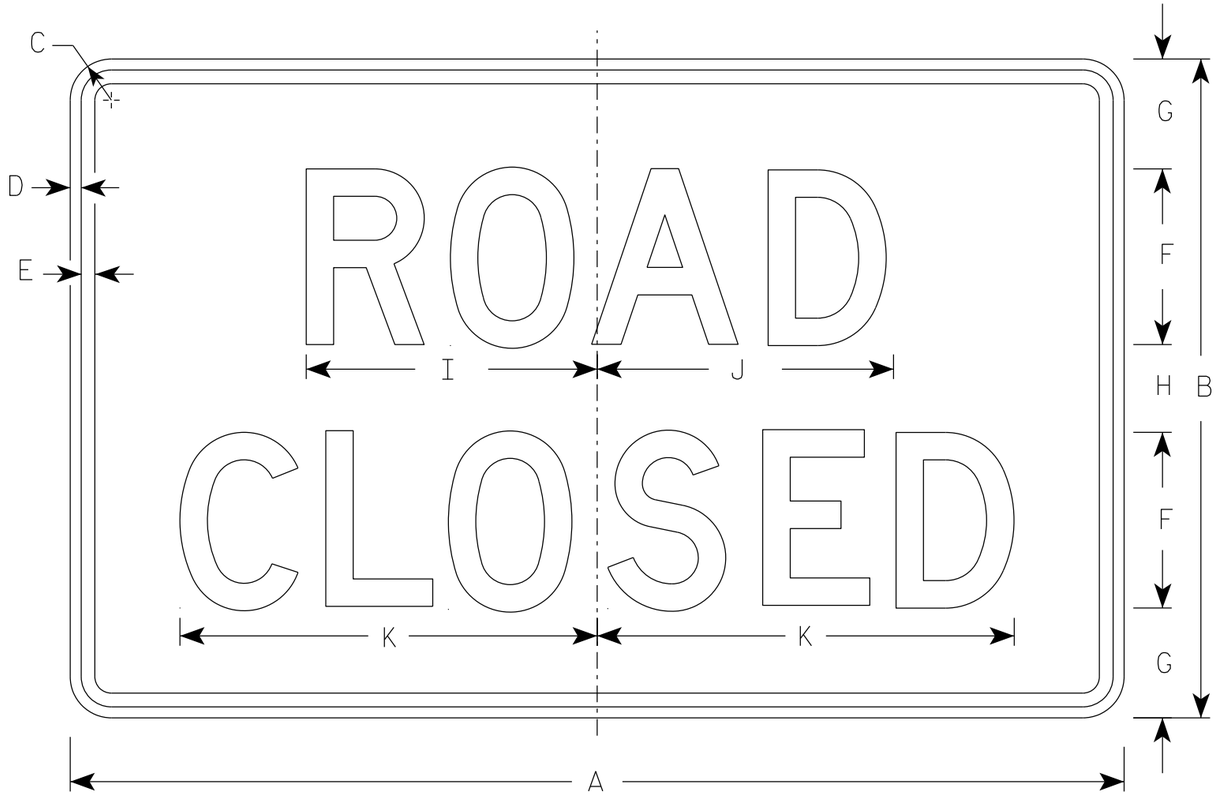
STANDARD SIGN
R9-9A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9A.2

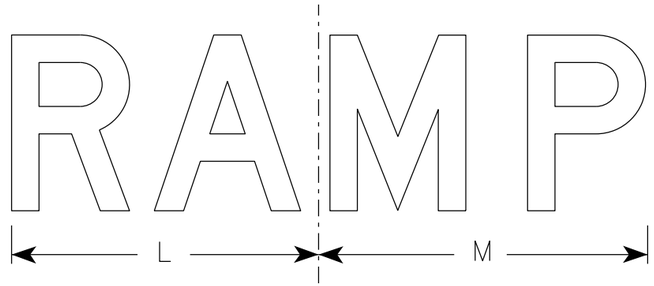
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 196 | E



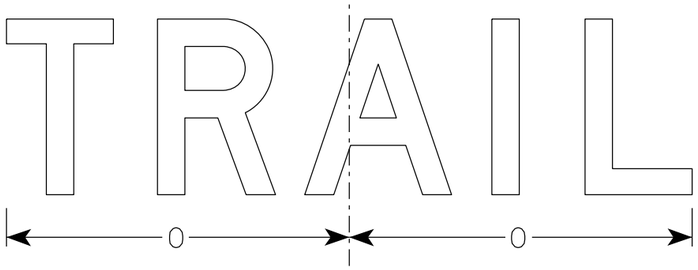
R11-2

NOTES

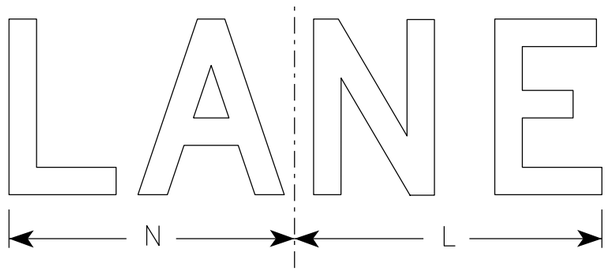
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

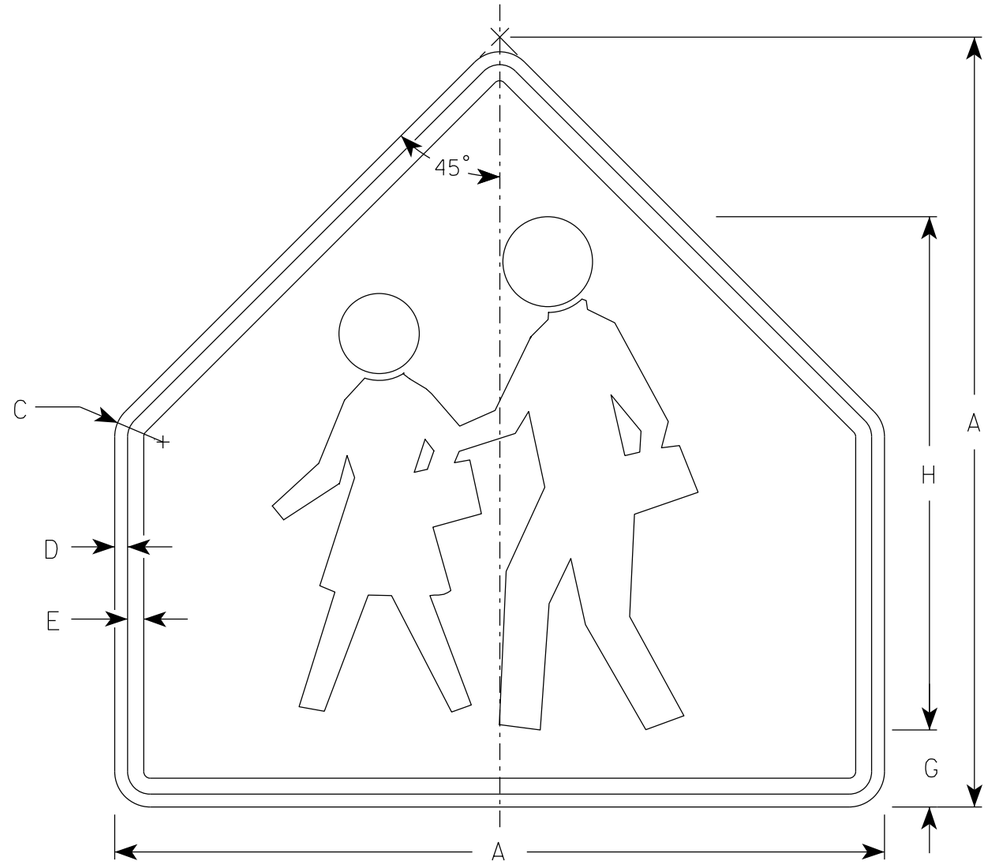
DATE 2/5/24 PLATE NO. R11-2.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

7

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow-Green
   Message - Black



S1-1

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3	20																			4.69
2S	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
2M	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		1 7/8	3/4	1		4 3/4	32																			12
5																											

STANDARD SIGN
S1-1

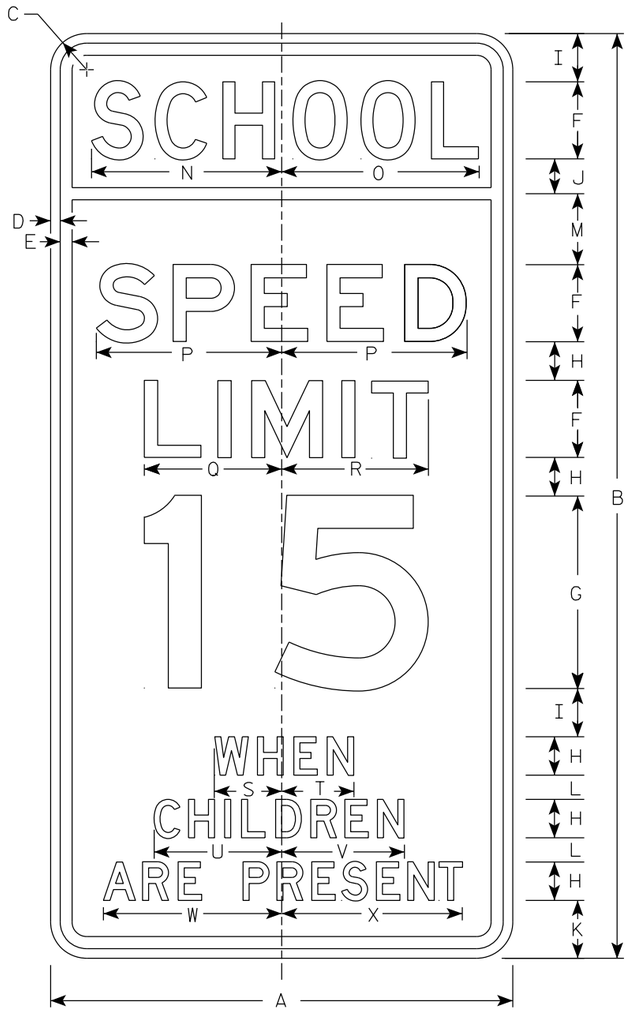
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/16/2023 PLATE NO. S1-1.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\S11.dgn PLOT DATE : 16-FEB 2023 2:35 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



S4-51

NOTES

1. Sign is Type II - See Note 2 for Sheeting Type
2. Color:
   Background - See Note 4
   Message - Black
3. Message Series - See Note 5
4. Top panel (SCHOOL) background - Yellow Green - Type F Reflective
   Lower panel background - White - Type SH Reflective
5. From top to bottom:
   Lines 1, 5, 6 & 7 are series D
   Lines 2, 3 & 4 are series E
6. Line 4 substitute appropriate numerals and adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	48	1 7/8	1/2	5/8	4	10	2	2 1/2	1 3/4	3	1 1/4	3 3/4	9 7/8	10 1/4	9 5/8	7 1/8	7 5/8	3 1/2	3 3/8	6 5/8	6 3/8	9 1/4	9 3/8			8.00
2M	24	48	1 7/8	1/2	5/8	4	10	2	2 1/2	1 3/4	3	1 1/4	3 3/4	9 7/8	10 1/4	9 5/8	7 1/8	7 5/8	3 1/2	3 3/8	6 5/8	6 3/8	9 1/4	9 3/8			8.00
3	36	72	3	3/4	1	6	15	3	3 3/4	2 3/4	4 1/2	1 7/8	5 1/2	15	15 1/4	14 1/2	11 1/4	11 1/2	5 1/2	5 3/4	10	9 3/4	14	14 1/8			18.00
4																											
5																											

STANDARD SIGN
S4-51

WISCONSIN DEPT OF TRANSPORTATION

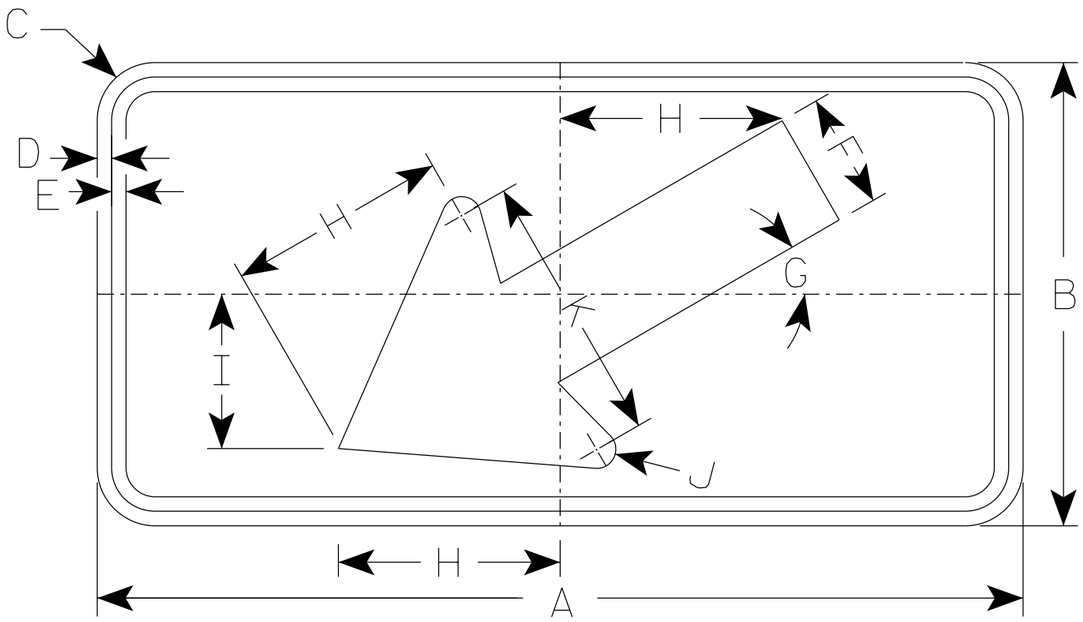
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/22/2023 PLATE NO. S4-51.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 199 E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow-Green
   Message - Black
3. S16-7R is the same as S16-7L except the arrow is reversed along the vertical centerline.



S16-7L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 ½	⅜	⅜	3	30°	5 ¾	4	½	7																2.0
2S	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
2M	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
3	30	18	1 ½	⅜	½	4 ½	30°	8 ½	6	⅝	10 ¼																3.75
4	48	24	1 ⅞	½	⅝	6	30°	11 ½	8	1	14																8.0
5																											

STANDARD SIGN
S16-7

WISCONSIN DEPT OF TRANSPORTATION

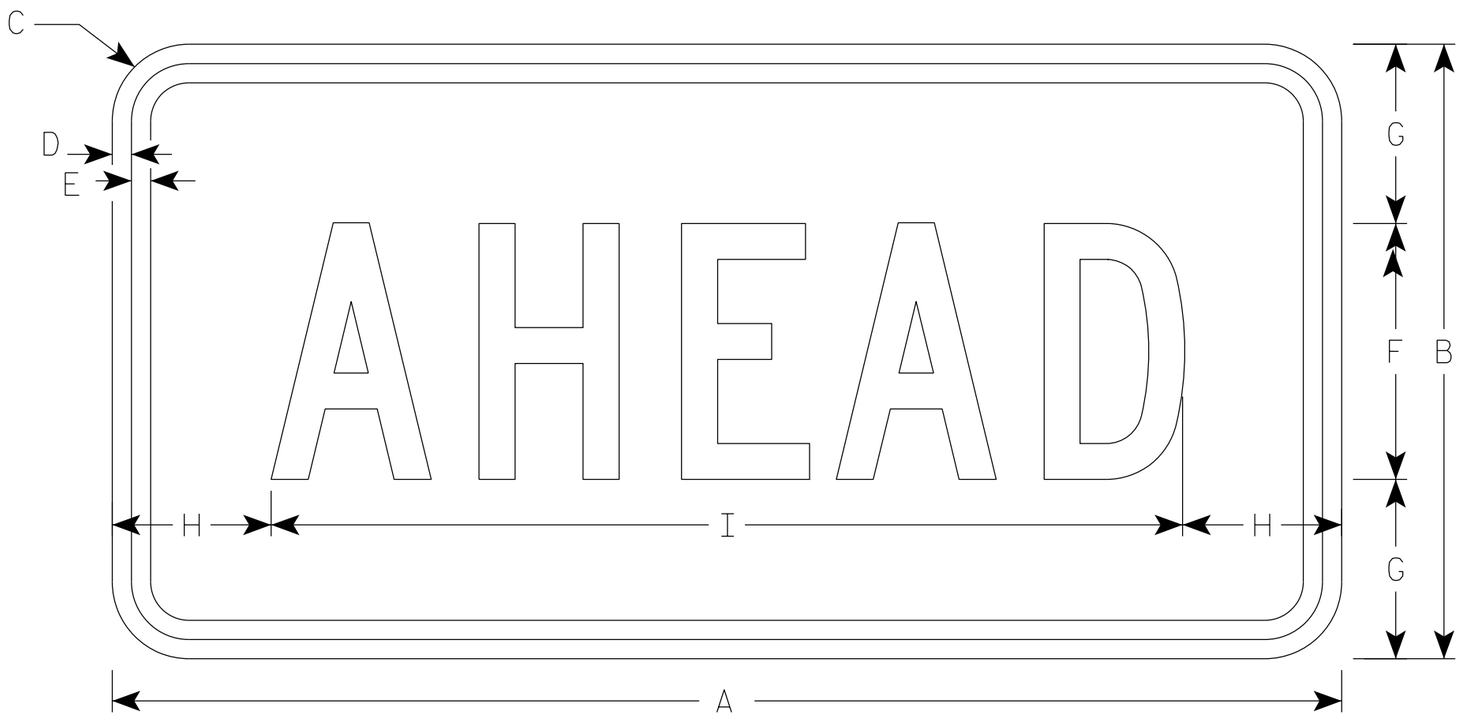
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/2023 PLATE NO. S16-7.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 200 | E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow-Green
   Message - Black
3. Message Series - C



S16-9P

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/2	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/2	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/2	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/2	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 7/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

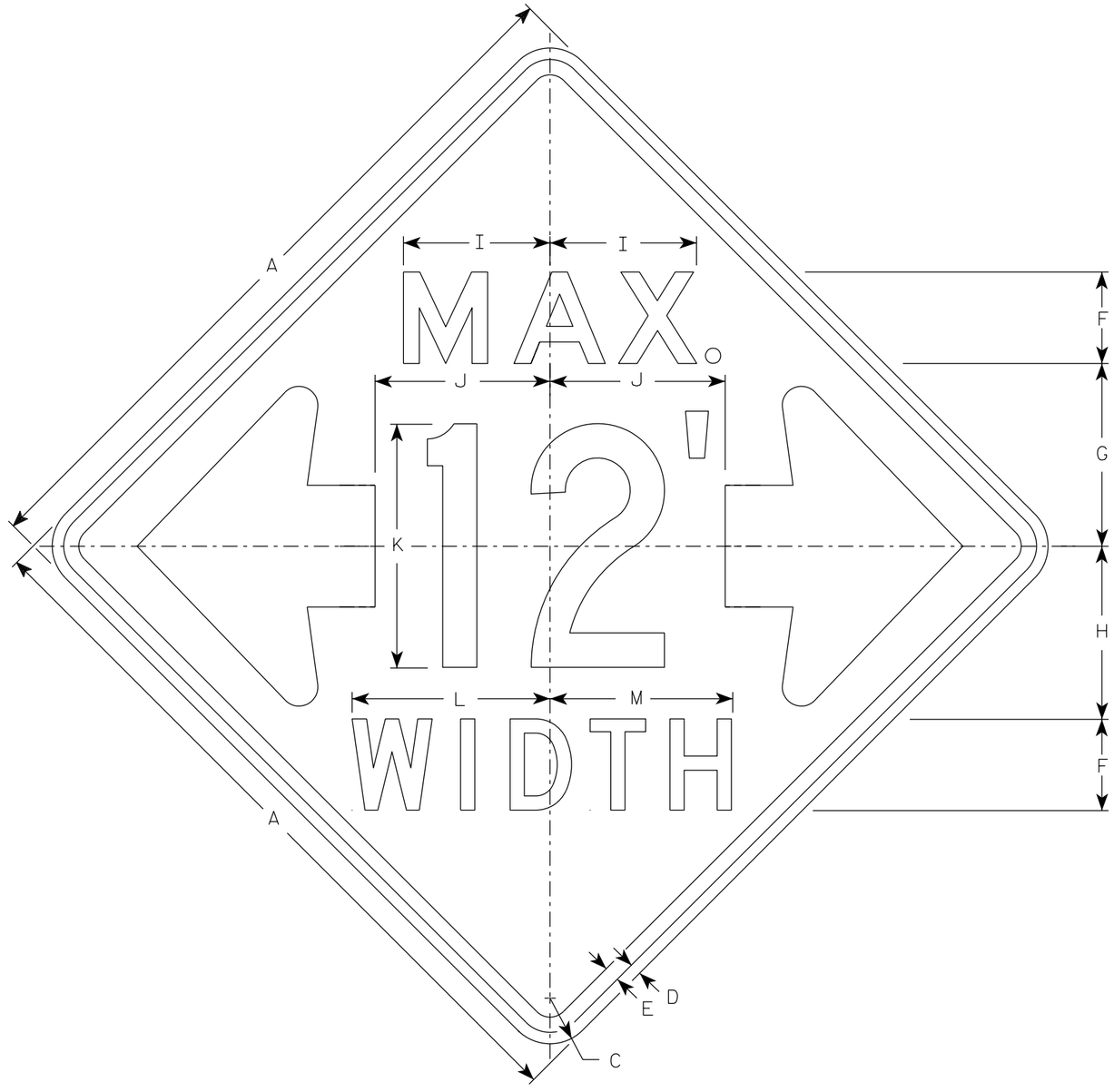
STANDARD SIGN
S16-9P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/23/2023 PLATE NO. S16-9P.2

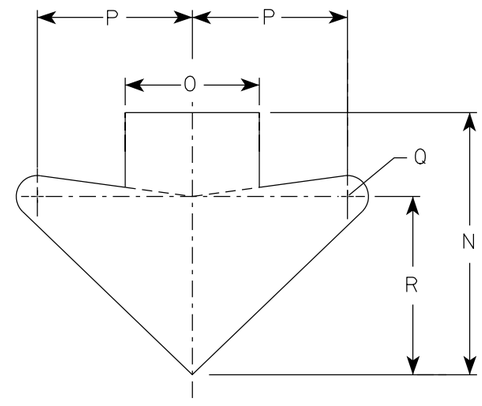
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W12-52

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. The top line is series E, the numerals are series C, and the bottom line is series D.
5. Substitute appropriate numerals and adjust spacing as required.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48		3	¾	1	6	12	11 ⅜	9 ⅝	11 ½	16	13	12	15 ⅝	8	9 ¼	1 ¼	10 ⅝									16.0
2M	48		3	¾	1	6	12	11 ⅜	9 ⅝	11 ½	16	13	12	15 ⅝	8	9 ¼	1 ¼	10 ⅝									16.0
3																											
4																											
5																											

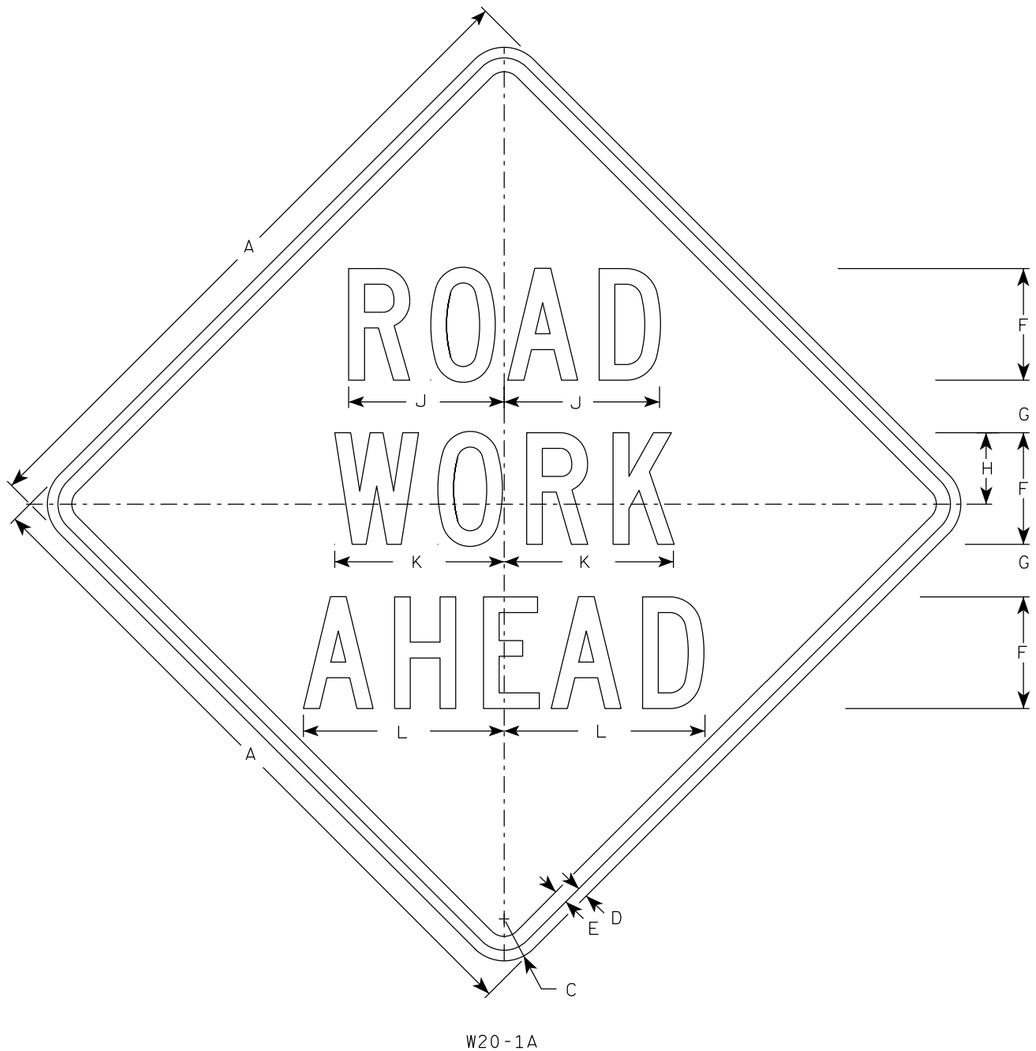
STANDARD SIGN
W12-52

WISCONSIN DEPT OF TRANSPORTATION

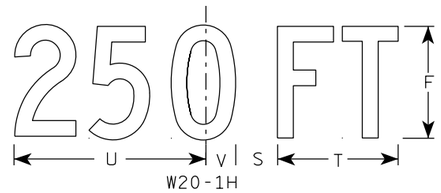
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/2024 PLATE NO. W12-52.8

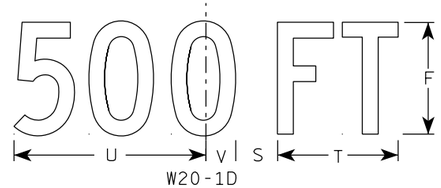
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 202 | E



W20-1A



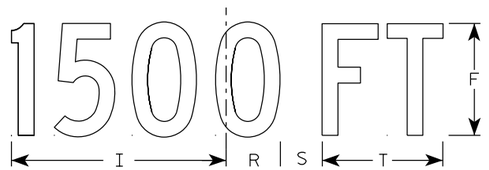
W20-1H



W20-1D



W20-1C



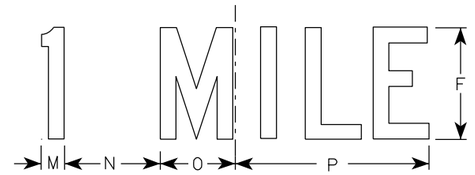
W20-1B

NOTES

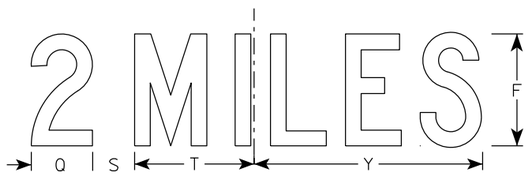
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

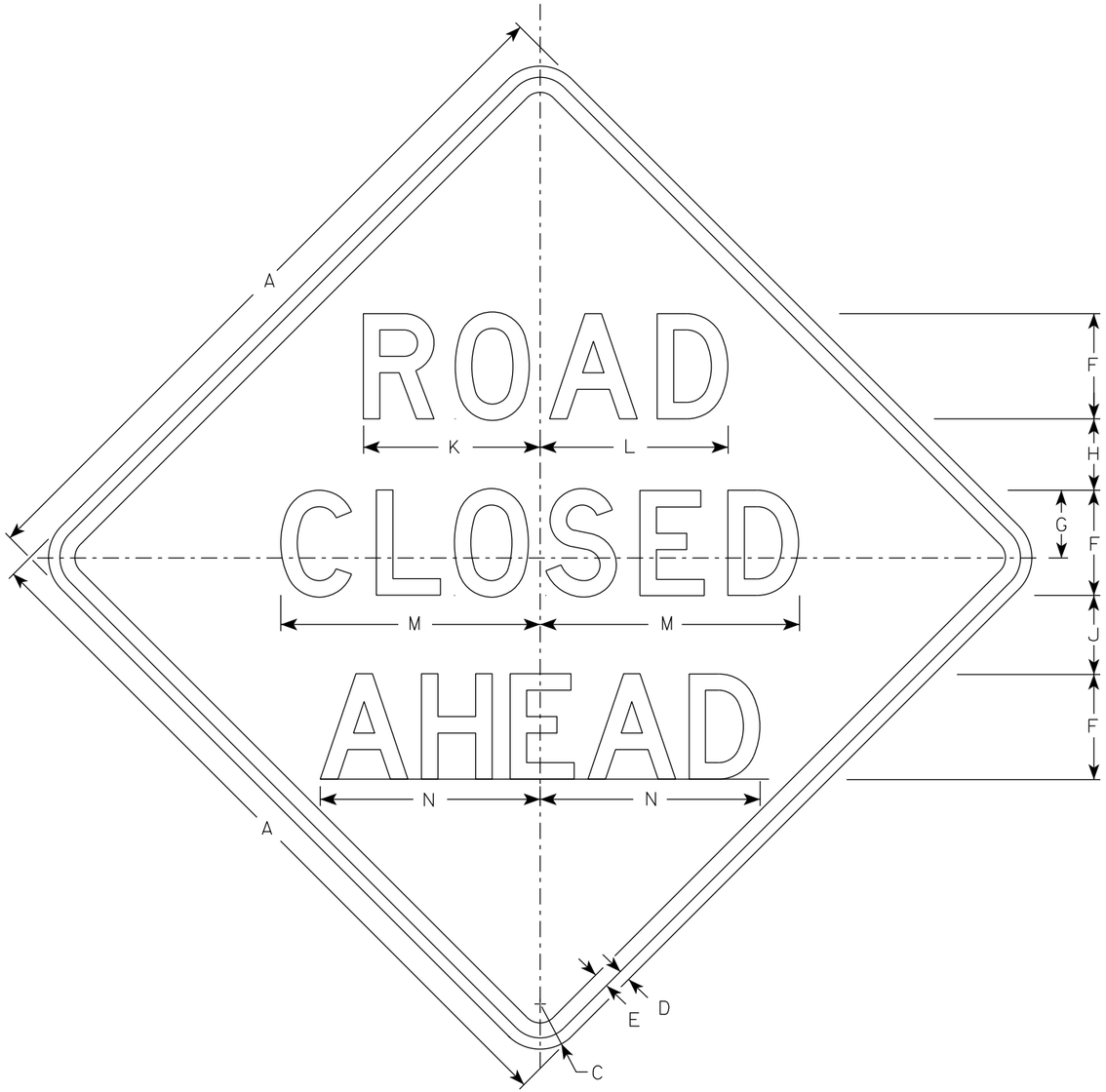
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

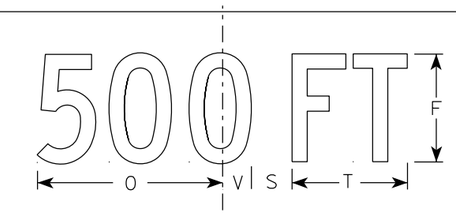
DATE 1/10/2024 PLATE NO. W20-1.12

PROJECT NO:

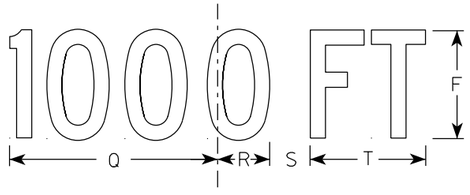
SHEET NO: 203 E



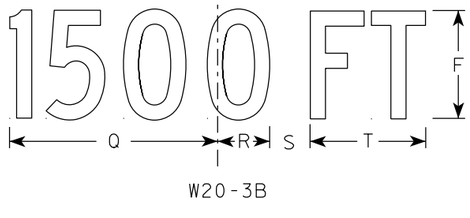
W20-3A



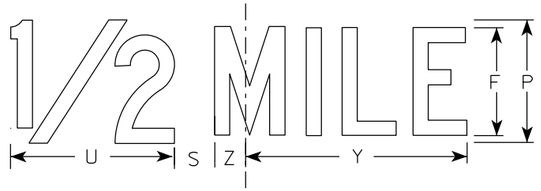
W20-3D



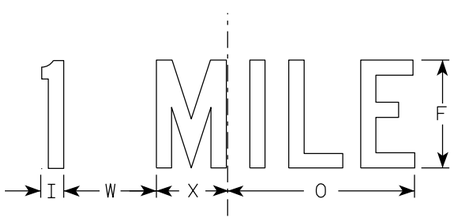
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

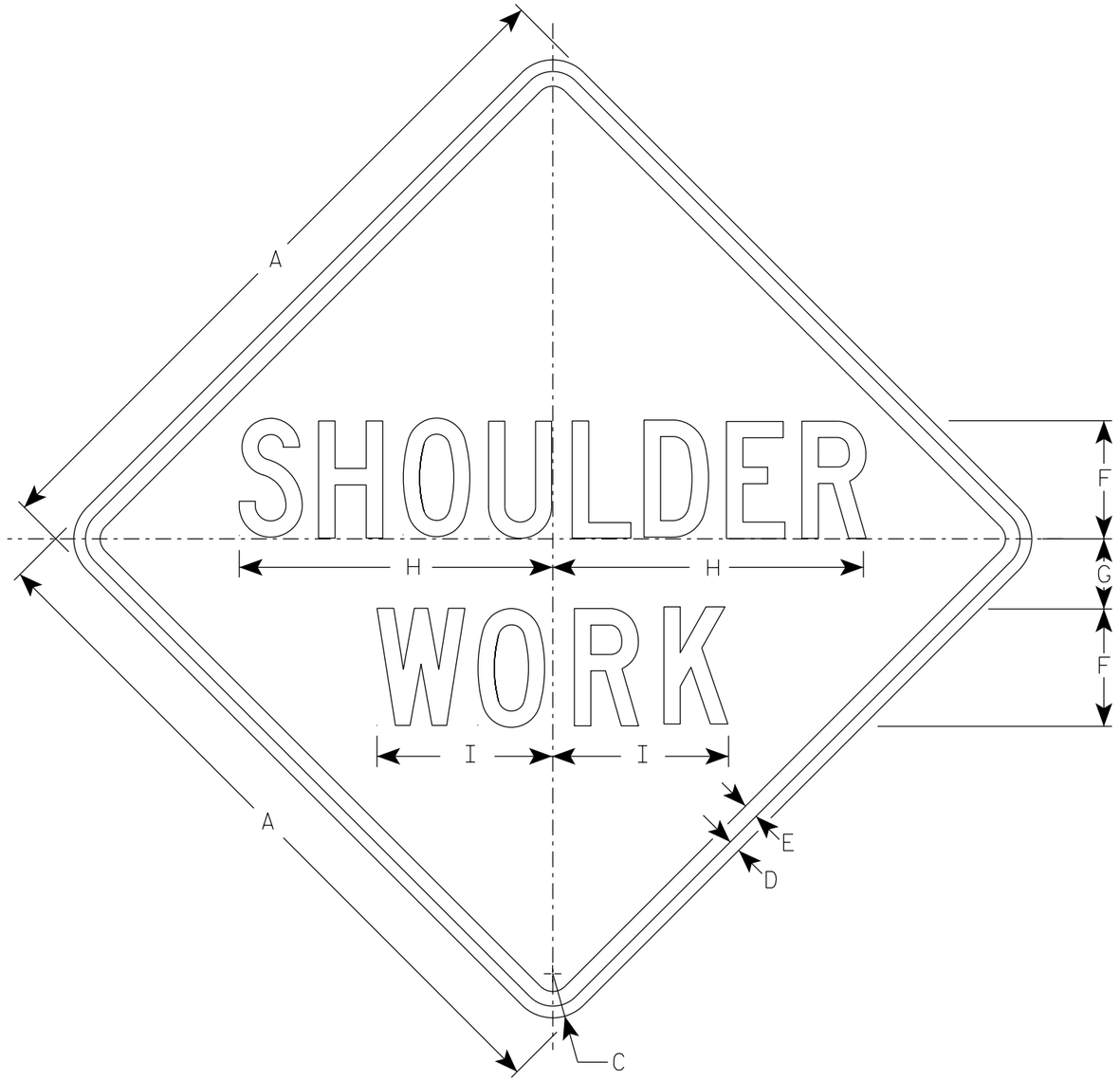
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-3.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN PLOT DATE : 10-JAN 2024 12:02 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7



W21-5

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	6	3 1/2	16	9																		9.0
2S	48		3	3/4	1	8	5	21 3/8	11 1/4																		16.0
2M	48		3	3/4	1	8	5	21 3/8	11 1/4																		16.0
3	48		3	3/4	1	8	5	21 3/8	11 1/4																		16.0
4	48		3	3/4	1	8	5	21 3/8	11 1/4																		16.0
5	48		3	3/4	1	8	5	21 3/8	11 1/4																		16.0

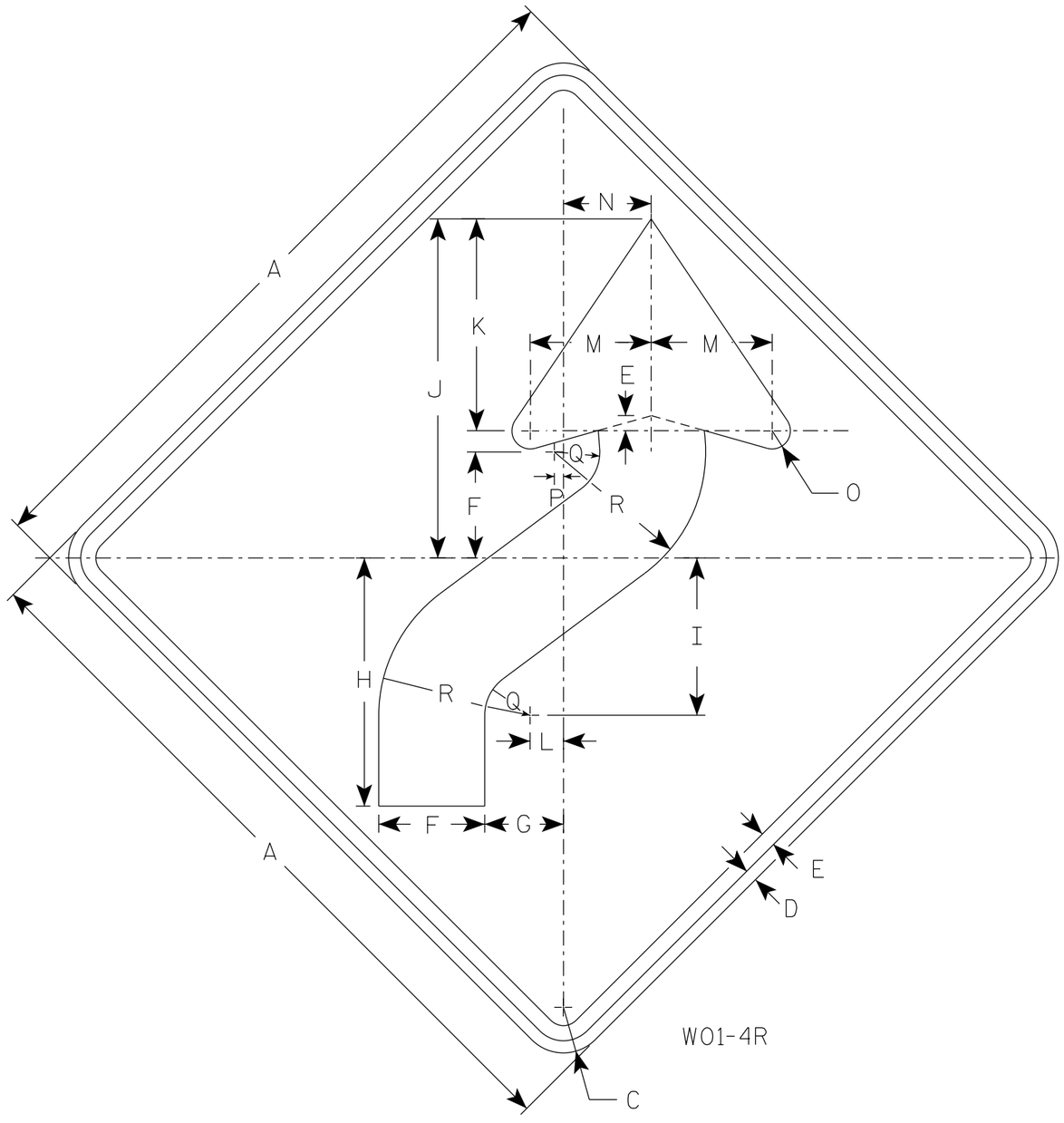
STANDARD SIGN
W21-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/11/2024 PLATE NO. W21-5.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 205 | E



W01-4R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

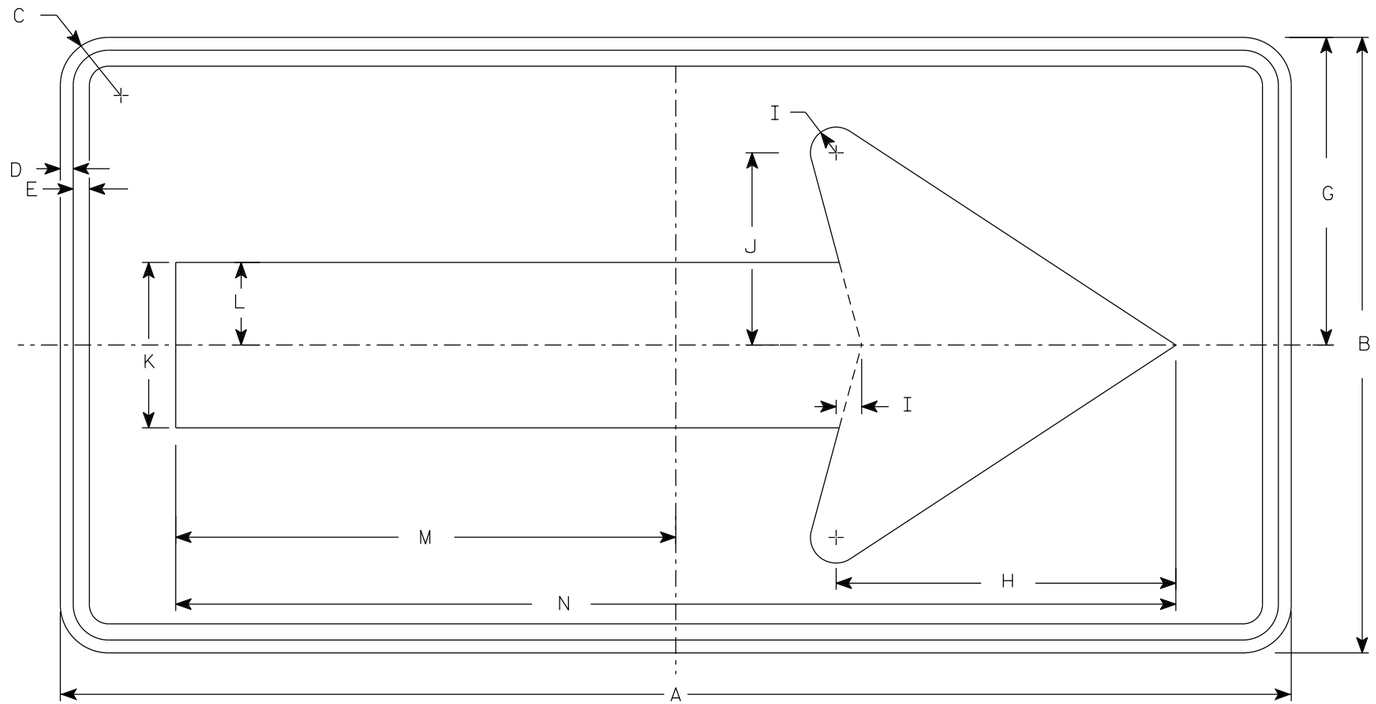
STANDARD SIGN
W01-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. W01-4.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 206 E



WO1-6

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 7/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 7/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

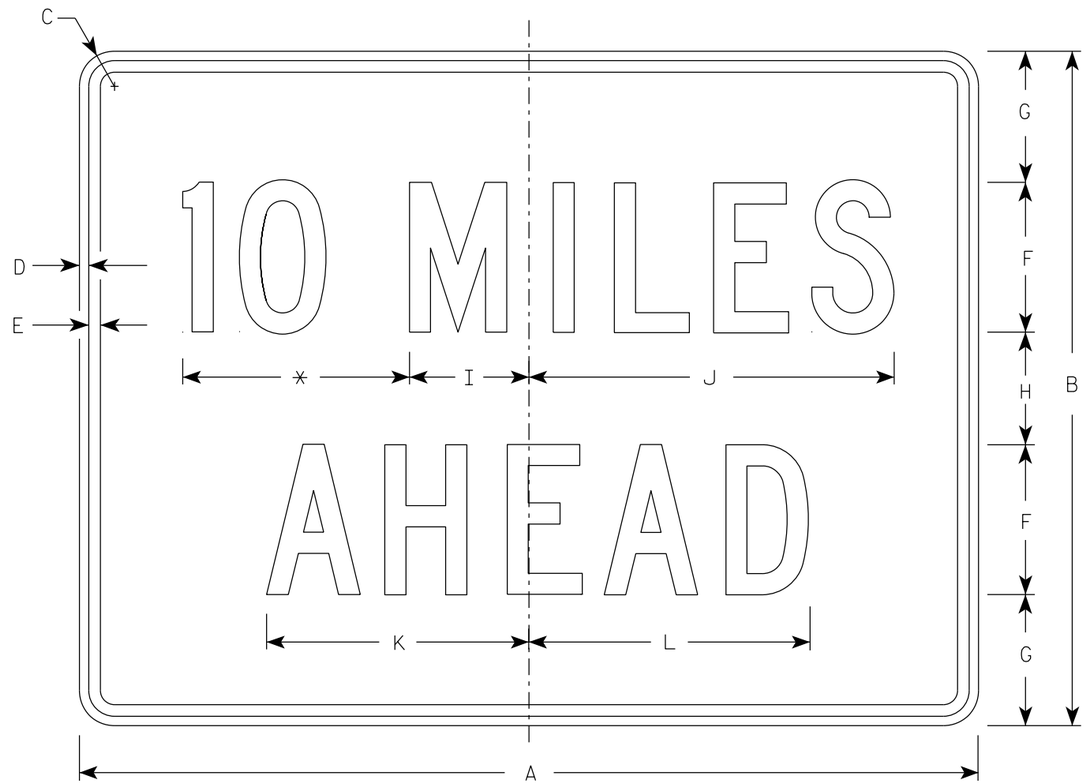
STANDARD SIGN
WO1-6

WISCONSIN DEPT OF TRANSPORTATION

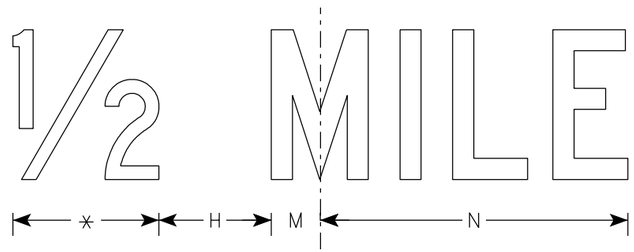
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. WO1-6.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



W057-52



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to the nearest quarter mile and optically adjust spacing to achieve proper balance.

* See note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	24	1 1/2	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	12													6.0
2S	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
2M	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
3	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
4	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
5	48	36	2 1/4	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0

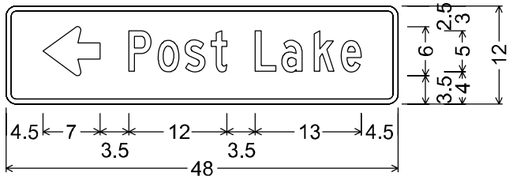
STANDARD SIGN
W057-52

WISCONSIN DEPT OF TRANSPORTATION

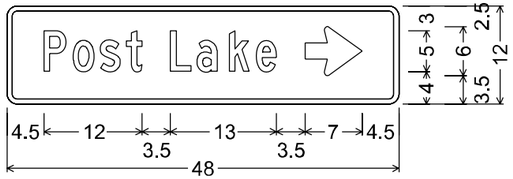
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/2024 PLATE NO. W057-52.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 208 E



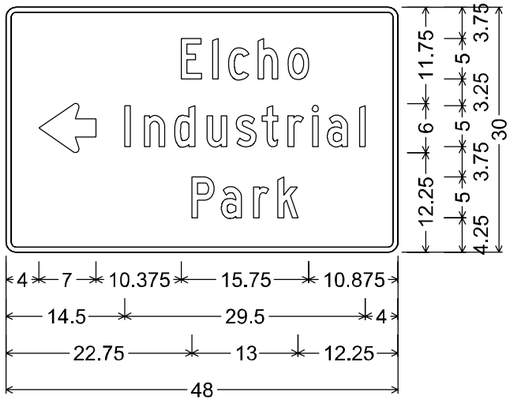
D1-1; 1.250" Radius, 0.625" Border



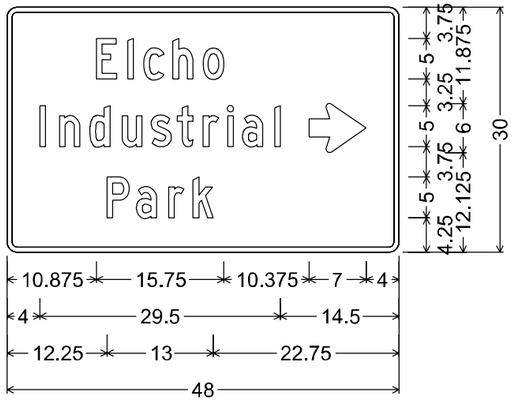
D1-1; 1.250" Radius, 0.625" Border

NOTES

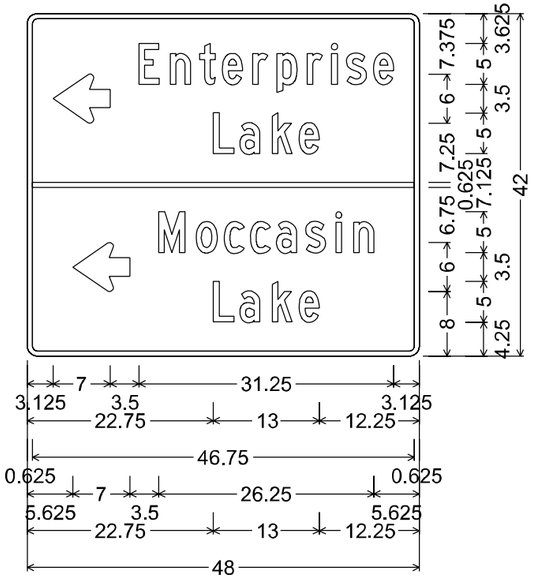
1. Signs are Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - C or as noted



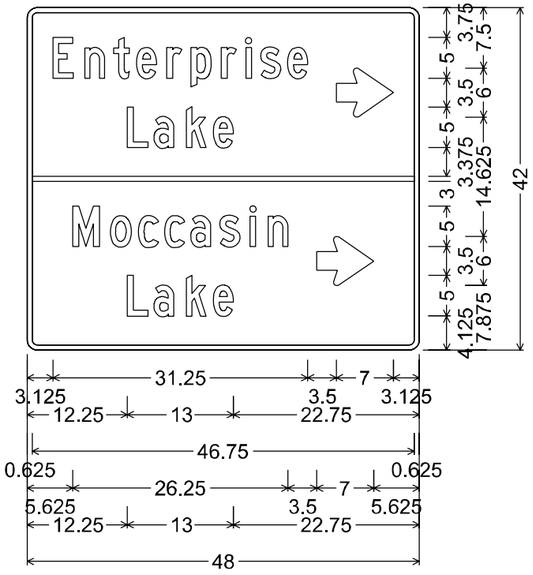
D1-3; 1.250" Radius, 0.625" Border



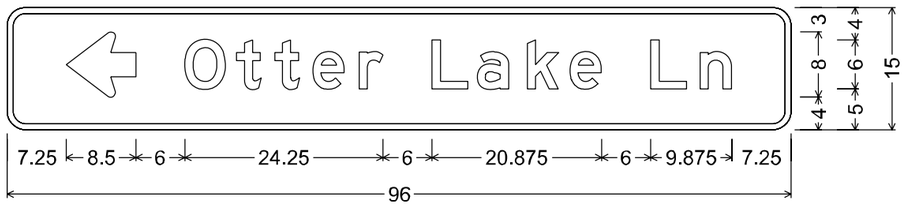
D1-3; 1.250" Radius, 0.625" Border



D1-4; 1.250" Radius, 0.625" Border



D1-4; 1.250" Radius, 0.625" Border



D1-1; 2.250" Radius, 0.750" Border
"Otter", E; "Lake", E; "Ln", E

USH 45 STAGE 1 WIDENING

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	REDUCED MARSH IN FILL	MASS ORDINATE
											1.00	1.25	1.00	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
879+50.00	87950.00	0.00	0.45	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
880+00.00	88000.00	50.00	3.87	0.00	0.00	0.00	4	0	0	0	4	0	0	0	4
880+50.00	88050.00	50.00	4.80	0.00	0.01	0.00	8	0	0	0	12	0	0	0	12
881+00.00	88100.00	50.00	9.98	0.00	0.00	0.00	14	0	0	0	26	0	0	0	26
881+50.00	88150.00	50.00	9.96	0.00	0.00	0.00	18	0	0	0	44	0	0	0	44
882+00.00	88200.00	50.00	9.85	0.00	0.00	0.00	18	0	0	0	62	0	0	0	62
882+50.00	88250.00	50.00	9.49	0.00	0.00	0.00	18	0	0	0	80	0	0	0	80
883+00.00	88300.00	50.00	9.61	0.00	0.00	0.00	18	0	0	0	98	0	0	0	98
883+50.00	88350.00	50.00	10.07	0.00	0.00	0.00	18	0	0	0	116	0	0	0	116
884+00.00	88400.00	50.00	10.23	0.00	0.00	0.00	19	0	0	0	135	0	0	0	135
884+50.00	88450.00	50.00	9.55	0.00	0.00	0.00	18	0	0	0	153	0	0	0	153
885+00.00	88500.00	50.00	10.60	0.00	0.00	0.00	19	0	0	0	172	0	0	0	172
885+50.00	88550.00	50.00	8.10	0.00	0.00	0.00	17	0	0	0	189	0	0	0	189
886+00.00	88600.00	50.00	8.89	0.00	0.00	0.00	16	0	0	0	205	0	0	0	205
886+50.00	88650.00	50.00	9.19	0.00	0.00	0.00	17	0	0	0	222	0	0	0	222
887+00.00	88700.00	50.00	11.23	0.00	0.00	0.00	19	0	0	0	241	0	0	0	241
887+50.00	88750.00	50.00	7.30	0.00	0.60	0.00	17	0	1	0	258	1	0	0	257
888+00.00	88800.00	50.00	11.37	0.00	0.00	0.00	17	0	1	0	275	3	0	0	273
888+50.00	88850.00	50.00	11.46	0.00	0.00	0.00	21	0	0	0	296	3	0	0	294
889+00.00	88900.00	50.00	0.00	0.00	0.00	0.00	11	0	0	0	307	3	0	0	305
889+50.00	88950.00	50.00	9.24	0.00	0.00	0.00	9	0	0	0	316	3	0	0	314
890+00.00	89000.00	50.00	9.62	0.00	0.04	0.00	17	0	0	0	333	3	0	0	331
890+50.00	89050.00	50.00	10.05	0.00	0.00	0.00	18	0	0	0	351	3	0	0	349
891+00.00	89100.00	50.00	9.90	0.00	0.05	0.00	18	0	0	0	369	3	0	0	367
891+50.00	89150.00	50.00	10.25	0.00	0.00	0.00	19	0	0	0	388	3	0	0	386
892+00.00	89200.00	50.00	9.48	0.00	0.00	0.00	18	0	0	0	406	3	0	0	404
892+50.00	89250.00	50.00	11.65	0.00	0.00	0.00	20	0	0	0	426	3	0	0	424
893+00.00	89300.00	50.00	0.00	0.00	0.00	0.00	11	0	0	0	437	3	0	0	435
893+50.00	89350.00	50.00	11.66	0.00	0.00	0.00	11	0	0	0	448	3	0	0	446
894+00.00	89400.00	50.00	10.67	0.00	0.00	0.00	21	0	0	0	469	3	0	0	467
894+50.00	89450.00	50.00	8.61	0.00	0.01	0.00	18	0	0	0	487	3	0	0	485
895+00.00	89500.00	50.00	10.06	0.00	0.00	0.00	17	0	0	0	504	3	0	0	502
895+50.00	89550.00	50.00	9.55	0.00	0.00	0.00	18	0	0	0	522	3	0	0	520
896+00.00	89600.00	50.00	11.24	0.00	0.00	0.00	19	0	0	0	541	3	0	0	539
896+50.00	89650.00	50.00	0.00	0.00	0.00	0.00	10	0	0	0	551	3	0	0	549
897+00.00	89700.00	50.00	9.91	0.00	0.00	0.00	9	0	0	0	560	3	0	0	558
897+50.00	89750.00	50.00	11.26	0.00	0.00	0.00	20	0	0	0	580	3	0	0	578
898+00.00	89800.00	50.00	11.94	0.00	0.00	0.00	21	0	0	0	601	3	0	0	599
898+50.00	89850.00	50.00	12.96	0.00	0.00	0.00	23	0	0	0	624	3	0	0	622
899+00.00	89900.00	50.00	12.13	0.00	0.00	0.00	23	0	0	0	647	3	0	0	645

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED MARSH BACKFILL	WILL BE BACKFILLED WITH GRANULAR BACKFILL (OR CUT, OR BORROW)
6 - REDUCED MARSH IN FILL	REDUCED MARSH EXCAVATION THAT CAN BE USED IN FILL
8 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]

USH 45 STAGE 1 WIDENING

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT 1.00	EXPANDED FILL 1.25	EXPANDED MARSH BACKFILL 1.00	REDUCED MARSH IN FILL 1.00	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
899+50.00	89950.00	50.00	14.85	0.00	0.00	0.00	25	0	0	0	672	3	0	0	670
900+00.00	90000.00	50.00	11.27	0.00	0.00	0.00	24	0	0	0	696	3	0	0	694
900+50.00	90050.00	50.00	0.00	0.00	0.00	0.00	10	0	0	0	706	3	0	0	704
901+00.00	90100.00	50.00	13.53	0.00	0.00	0.00	13	0	0	0	719	3	0	0	717
901+50.00	90150.00	50.00	14.98	0.00	0.00	0.00	26	0	0	0	745	3	0	0	743
902+00.00	90200.00	50.00	11.49	0.00	0.00	0.00	25	0	0	0	770	3	0	0	768
902+50.00	90250.00	50.00	13.14	0.00	0.00	0.00	23	0	0	0	793	3	0	0	791
903+00.00	90300.00	50.00	11.19	0.00	0.00	0.00	23	0	0	0	816	3	0	0	814
903+50.00	90350.00	50.00	11.01	0.00	0.00	0.00	21	0	0	0	837	3	0	0	835
904+00.00	90400.00	50.00	8.26	0.00	0.51	0.00	18	0	0	0	855	3	0	0	853
904+50.00	90450.00	50.00	8.38	0.00	0.06	0.00	15	0	1	0	870	4	0	0	866
905+00.00	90500.00	50.00	8.40	0.00	0.06	0.00	16	0	0	0	886	4	0	0	882
905+50.00	90550.00	50.00	10.56	0.00	0.00	0.00	18	0	0	0	904	4	0	0	900
906+00.00	90600.00	50.00	10.92	0.00	0.00	0.00	20	0	0	0	924	4	0	0	920
906+50.00	90650.00	50.00	8.85	0.00	0.02	0.00	18	0	0	0	942	4	0	0	938
907+00.00	90700.00	50.00	11.44	0.00	0.00	0.00	19	0	0	0	961	4	0	0	957
907+50.00	90750.00	50.00	12.84	0.00	0.00	0.00	22	0	0	0	983	4	0	0	979
908+00.00	90800.00	50.00	11.87	0.00	0.01	0.00	23	0	0	0	1,006	4	0	0	1,002
908+50.00	90850.00	50.00	12.01	0.00	0.01	0.00	22	0	0	0	1,028	4	0	0	1,024
909+00.00	90900.00	50.00	11.58	0.00	0.01	0.00	22	0	0	0	1,050	4	0	0	1,046
909+50.00	90950.00	50.00	10.09	0.00	0.00	0.00	20	0	0	0	1,070	4	0	0	1,066
910+00.00	91000.00	50.00	10.01	0.00	0.06	0.00	19	0	0	0	1,089	4	0	0	1,085
910+50.00	91050.00	50.00	10.01	0.00	0.01	0.00	19	0	0	0	1,108	4	0	0	1,104
911+00.00	91100.00	50.00	10.32	0.00	0.00	0.00	19	0	0	0	1,127	4	0	0	1,123
911+50.00	91150.00	50.00	11.02	0.00	0.00	0.00	20	0	0	0	1,147	4	0	0	1,143
912+00.00	91200.00	50.00	10.26	0.00	0.10	0.00	20	0	0	0	1,167	4	0	0	1,163
912+50.00	91250.00	50.00	9.95	0.00	0.02	0.00	19	0	0	0	1,186	4	0	0	1,182
913+00.00	91300.00	50.00	10.56	0.00	0.11	0.00	19	0	0	0	1,205	4	0	0	1,201
913+50.00	91350.00	50.00	17.75	0.00	0.11	0.00	26	0	0	0	1,231	4	0	0	1,227
914+00.00	91400.00	50.00	19.82	0.00	4.61	0.00	35	0	4	0	1,266	9	0	0	1,257
914+50.00	91450.00	50.00	20.06	0.00	4.93	0.00	37	0	9	0	1,303	20	0	0	1,283
915+00.00	91500.00	50.00	22.24	0.00	1.49	0.00	39	0	6	0	1,342	28	0	0	1,315
915+50.00	91550.00	50.00	19.36	0.00	2.26	0.00	39	0	3	0	1,381	31	0	0	1,350
916+00.00	91600.00	50.00	11.31	0.00	0.07	0.00	28	0	2	0	1,409	34	0	0	1,375
916+50.00	91650.00	50.00	2.80	0.00	0.00	0.00	13	0	0	0	1,422	34	0	0	1,388
UNDISTRIBUTED		0.00	0.00	0.00	0.00	0.00	0	119	0	0	1,422	34	0	0	1,269

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED MARSH BACKFILL	WILL BE BACKFILLED WITH GRANULAR BACKFILL (OR CUT, OR BORROW)
6 - REDUCED MARSH IN FILL	REDUCED MARSH EXCAVATION THAT CAN BE USED IN FILL
8 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]

USH 45 STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	REDUCED MARSH IN FILL	MASS ORDINATE
											1.00	1.25	1.00	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
878+86.00	87886.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
879+00.00	87900.00	14.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
879+50.00	87950.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
880+00.00	88000.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
880+50.00	88050.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
881+00.00	88100.00	50.00	59.24	0.00	0.01	0.00	55	0	0	0	55	0	0	0	55
881+50.00	88150.00	50.00	64.94	0.00	4.16	0.00	115	0	4	0	170	5	0	0	165
882+00.00	88200.00	50.00	39.49	0.00	0.00	0.00	97	0	4	0	267	10	0	0	257
882+50.00	88250.00	50.00	108.74	0.00	0.00	0.00	137	0	0	0	404	10	0	0	394
883+00.00	88300.00	50.00	111.37	0.00	0.00	0.00	204	0	0	0	608	10	0	0	598
883+50.00	88350.00	50.00	114.20	0.00	0.00	0.00	209	0	0	0	817	10	0	0	807
884+00.00	88400.00	50.00	117.63	0.00	0.00	0.00	215	0	0	0	1,032	10	0	0	1,022
884+50.00	88450.00	50.00	113.63	0.00	0.01	0.00	214	0	0	0	1,246	10	0	0	1,236
885+00.00	88500.00	50.00	115.55	0.00	0.00	0.00	212	0	0	0	1,458	10	0	0	1,448
885+50.00	88550.00	50.00	114.00	0.00	0.00	0.00	213	0	0	0	1,671	10	0	0	1,661
886+00.00	88600.00	50.00	71.17	0.00	0.00	0.00	171	0	0	0	1,842	10	0	0	1,832
886+50.00	88650.00	50.00	64.17	0.00	0.46	0.00	125	0	0	0	1,967	10	0	0	1,957
887+00.00	88700.00	50.00	60.23	0.00	1.02	0.00	115	0	1	0	2,082	11	0	0	2,071
887+50.00	88750.00	50.00	59.64	0.00	0.44	0.00	111	0	1	0	2,193	13	0	0	2,181
888+00.00	88800.00	50.00	76.31	0.00	0.00	0.00	126	0	0	0	2,319	13	0	0	2,307
888+50.00	88850.00	50.00	69.70	0.00	0.00	0.00	135	0	0	0	2,454	13	0	0	2,442
889+00.00	88900.00	50.00	55.07	0.00	0.00	0.00	116	0	0	0	2,570	13	0	0	2,558
889+50.00	88950.00	50.00	81.45	0.00	0.00	0.00	126	0	0	0	2,696	13	0	0	2,684
890+00.00	89000.00	50.00	71.44	0.00	0.00	0.00	142	0	0	0	2,838	13	0	0	2,826
890+50.00	89050.00	50.00	76.48	0.00	0.00	0.00	137	0	0	0	2,975	13	0	0	2,963
891+00.00	89100.00	50.00	71.22	0.00	0.00	0.00	137	0	0	0	3,112	13	0	0	3,100
891+50.00	89150.00	50.00	79.45	0.00	0.00	0.00	140	0	0	0	3,252	13	0	0	3,240
892+00.00	89200.00	50.00	66.57	0.00	0.00	0.00	135	0	0	0	3,387	13	0	0	3,375
892+50.00	89250.00	50.00	68.82	0.00	0.00	0.00	125	0	0	0	3,512	13	0	0	3,500
893+00.00	89300.00	50.00	46.52	0.00	0.00	0.00	107	0	0	0	3,619	13	0	0	3,607
893+50.00	89350.00	50.00	45.12	0.00	0.00	0.00	85	0	0	0	3,704	13	0	0	3,692
894+00.00	89400.00	50.00	56.51	0.00	2.55	0.00	94	0	2	0	3,798	15	0	0	3,783
894+50.00	89450.00	50.00	56.20	0.00	2.30	0.00	104	0	4	0	3,902	20	0	0	3,882
895+00.00	89500.00	50.00	58.01	0.00	2.26	0.00	106	0	4	0	4,008	25	0	0	3,983
895+50.00	89550.00	50.00	59.15	0.00	3.30	0.00	108	0	5	0	4,116	31	0	0	4,085
896+00.00	89600.00	50.00	62.81	0.00	2.18	0.00	113	0	5	0	4,229	38	0	0	4,192
896+50.00	89650.00	50.00	52.84	0.00	0.00	0.00	107	0	2	0	4,336	40	0	0	4,296
897+00.00	89700.00	50.00	53.30	0.00	0.00	0.00	98	0	0	0	4,434	40	0	0	4,394
897+50.00	89750.00	50.00	65.80	0.00	0.45	0.00	110	0	0	0	4,544	40	0	0	4,504
898+00.00	89800.00	50.00	64.16	0.00	1.06	0.00	120	0	1	0	4,664	41	0	0	4,623

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED MARSH BACKFILL	WILL BE BACKFILLED WITH GRANULAR BACKFILL (OR CUT, OR BORROW)
6 - REDUCED MARSH IN FILL	REDUCED MARSH EXCAVATION THAT CAN BE USED IN FILL
8 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]

USH 45 STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	REDUCED MARSH IN FILL	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		1.00 NOTE 1	1.25	1.00 NOTE 4	1.00 NOTE 6	NOTE 8
898+50.00	89850.00	50.00	60.83	0.00	1.25	0.00	116	0	2	0	4,780	44	0	0	4,736
899+00.00	89900.00	50.00	62.43	0.00	1.19	0.00	114	0	2	0	4,894	46	0	0	4,848
899+50.00	89950.00	50.00	61.21	0.00	2.18	0.00	114	0	3	0	5,008	50	0	0	4,958
900+00.00	90000.00	50.00	50.69	0.00	0.00	0.00	104	0	2	0	5,112	53	0	0	5,060
900+50.00	90050.00	50.00	48.17	0.00	0.00	0.00	92	0	0	0	5,204	53	0	0	5,152
901+00.00	90100.00	50.00	56.33	0.00	1.72	0.00	97	0	2	0	5,301	55	0	0	5,246
901+50.00	90150.00	50.00	51.09	0.00	12.26	0.00	99	0	13	0	5,400	71	0	0	5,329
902+00.00	90200.00	50.00	49.56	0.00	4.02	0.00	93	0	15	0	5,493	90	0	0	5,403
902+50.00	90250.00	50.00	41.70	0.00	0.00	0.00	85	0	4	0	5,578	95	0	0	5,483
903+00.00	90300.00	50.00	43.15	0.00	0.00	0.00	79	0	0	0	5,657	95	0	0	5,562
903+50.00	90350.00	50.00	51.87	0.00	2.78	0.00	88	0	3	0	5,745	99	0	0	5,646
904+00.00	90400.00	50.00	52.99	0.00	1.68	0.00	97	0	4	0	5,842	104	0	0	5,738
904+50.00	90450.00	50.00	55.99	0.00	2.06	0.00	101	0	3	0	5,943	108	0	0	5,836
905+00.00	90500.00	50.00	60.22	0.00	1.23	0.00	108	0	3	0	6,051	111	0	0	5,940
905+50.00	90550.00	50.00	60.27	0.00	0.53	0.00	112	0	2	0	6,163	114	0	0	6,049
906+00.00	90600.00	50.00	58.67	0.00	0.58	0.00	110	0	1	0	6,273	115	0	0	6,158
906+50.00	90650.00	50.00	44.99	0.00	0.00	0.00	96	0	1	0	6,369	116	0	0	6,253
907+00.00	90700.00	50.00	55.54	0.00	0.72	0.00	93	0	1	0	6,462	118	0	0	6,345
907+50.00	90750.00	50.00	56.89	0.00	0.81	0.00	104	0	1	0	6,566	119	0	0	6,447
908+00.00	90800.00	50.00	58.12	0.00	0.73	0.00	106	0	1	0	6,672	120	0	0	6,552
908+50.00	90850.00	50.00	64.01	0.00	0.00	0.00	113	0	1	0	6,785	121	0	0	6,664
909+00.00	90900.00	50.00	54.48	0.00	1.80	0.00	110	0	2	0	6,895	124	0	0	6,771
909+50.00	90950.00	50.00	52.98	0.00	2.80	0.00	100	0	4	0	6,995	129	0	0	6,866
910+00.00	91000.00	50.00	52.64	0.00	1.97	0.00	98	0	4	0	7,093	134	0	0	6,959
910+50.00	91050.00	50.00	66.22	0.00	0.00	0.00	110	0	2	0	7,203	136	0	0	7,067
911+00.00	91100.00	50.00	70.09	0.00	0.00	0.00	126	0	0	0	7,329	136	0	0	7,193
911+50.00	91150.00	50.00	72.53	0.00	0.00	0.00	132	0	0	0	7,461	136	0	0	7,325
912+00.00	91200.00	50.00	57.27	0.00	3.21	0.00	120	0	3	0	7,581	140	0	0	7,441
912+50.00	91250.00	50.00	53.39	0.00	7.97	0.00	102	0	10	0	7,683	153	0	0	7,531
913+00.00	91300.00	50.00	41.90	0.00	0.00	0.00	88	0	7	0	7,771	161	0	0	7,610
913+50.00	91350.00	50.00	69.83	0.00	0.00	0.00	103	0	0	0	7,874	161	0	0	7,713
914+00.00	91400.00	50.00	55.33	0.00	0.00	0.00	116	0	0	0	7,990	161	0	0	7,829
914+50.00	91450.00	50.00	54.19	0.00	0.00	0.00	101	0	0	0	8,091	161	0	0	7,930
915+00.00	91500.00	50.00	0.00	0.00	0.00	0.00	50	0	0	0	8,141	161	0	0	7,980
915+50.00	91550.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	8,141	161	0	0	7,980
916+00.00	91600.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	8,141	161	0	0	7,980
916+50.00	91650.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	8,141	161	0	0	7,980
917+00.00	91700.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	8,141	161	0	0	7,980
917+50.00	91750.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	8,141	161	0	0	7,980
917+90.00	91790.00	40.00	0.00	0.00	0.00	0.00	0	0	0	0	8,141	161	0	0	7,980
UNDISTRIBUTED		0.00	0.00	0.00	0.00	0.00	0	4,182	0	0	8,141	161	0	0	3,798

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED MARSH BACKFILL	WILL BE BACKFILLED WITH GRANULAR BACKFILL (OR CUT, OR BORROW)
6 - REDUCED MARSH IN FILL	REDUCED MARSH EXCAVATION THAT CAN BE USED IN FILL
8 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]

CLINIC STREET STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	REDUCED MARSH IN FILL	MASS ORDINATE
											1.00	1.25	1.00	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
9+18.00	918.00	0.00	27.80	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
9+50.60	950.60	32.60	33.85	0.00	15.23	0.00	37	0	9	0	37	11	0	0	26
9+55.30	955.30	4.70	0.00	0.00	0.00	0.00	3	0	1	0	40	13	0	0	28
9+75.00	975.00	19.70	109.25	0.00	0.00	0.00	40	0	0	0	80	13	0	0	68
UNDISTRIBUTED		0.00	0.00	0.00	0.00	0.00	0	31	0	0	80	13	0	0	37

COLE STREET STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	REDUCED MARSH IN FILL	MASS ORDINATE
											1.00	1.25	1.00	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
19+46.20	1946.20	0.00	29.27	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
19+61.66	1961.66	15.46	48.84	0.00	0.00	0.00	22	0	0	0	22	0	0	0	22
19+75.00	1975.00	13.34	78.37	0.00	0.00	0.00	31	0	0	0	53	0	0	0	53
UNDISTRIBUTED		0.00	0.00	0.00	0.00	0.00	0	17	0	0	53	0	0	0	36

RUMMEL STREET STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	REDUCED MARSH IN FILL	MASS ORDINATE
											1.00	1.25	1.00	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
29+40.50	2940.50	0.00	39.52	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
29+50.00	2950.00	9.50	47.58	0.00	0.00	0.00	15	0	0	0	15	0	0	0	15
29+54.30	2954.30	4.30	52.11	0.00	0.00	0.00	8	0	0	0	23	0	0	0	23
29+59.18	2959.18	4.88	55.54	0.00	0.00	0.00	10	0	0	0	33	0	0	0	33
29+75.00	2975.00	15.82	102.07	0.00	0.00	0.00	46	0	0	0	79	0	0	0	79
UNDISTRIBUTED		0.00	0.00	0.00	0.00	0.00	0	20	0	0	79	0	0	0	59

OWANO STREET STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	REDUCED MARSH IN FILL	MASS ORDINATE
											1.00	1.25	1.00	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
39+40.40	3940.40	0.00	38.77	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
39+50.00	3950.00	9.60	54.96	0.00	0.00	0.00	17	0	0	0	17	0	0	0	17
39+56.40	3956.40	6.40	62.92	0.00	0.00	0.00	14	0	0	0	31	0	0	0	31
39+75.00	3975.00	18.60	120.17	0.00	0.00	0.00	63	0	0	0	94	0	0	0	94
UNDISTRIBUTED		0.00	0.00	0.00	0.00	0.00	0	20	0	0	94	0	0	0	74

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED MARSH BACKFILL	WILL BE BACKFILLED WITH GRANULAR BACKFILL (OR CUT, OR BORROW)
6 - REDUCED MARSH IN FILL	REDUCED MARSH EXCAVATION THAT CAN BE USED IN FILL
8 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]

ELCHO STREET STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	REDUCED MARSH IN FILL	MASS ORDINATE
											1.00	1.25	1.00	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
49+41.40	4941.40	0.00	32.82	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
49+50.00	4950.00	8.60	41.94	0.00	0.00	0.00	12	0	0	0	12	0	0	0	12
49+54.00	4954.00	4.00	43.39	0.00	0.00	0.00	6	0	0	0	18	0	0	0	18
49+75.00	4975.00	21.00	108.28	0.00	0.00	0.00	59	0	0	0	77	0	0	0	77
UNDISTRIBUTED		0.00	0.00	0.00	0.00	0.00	0	16	0	0	77	0	0	0	61

ENTERPRISE LAKE ROAD STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	REDUCED MARSH IN FILL	MASS ORDINATE
											1.00	1.25	1.00	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
59+41.18	5941.18	0.00	31.59	0.00	1.60	0.00	0	0	0	0	0	0	0	0	0
59+50.00	5950.00	8.82	35.72	0.00	2.30	0.00	11	0	1	0	11	1	0	0	10
59+60.40	5960.40	10.40	56.24	0.00	0.00	0.00	18	0	0	0	29	1	0	0	28
59+75.00	5975.00	14.60	104.49	0.00	0.00	0.00	43	0	0	0	72	1	0	0	71
UNDISTRIBUTED		0.00	0.00	0.00	0.00	0.00	0	19	0	0	72	1	0	0	53

BLUEBIRD LANE STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	REDUCED MARSH IN FILL	MASS ORDINATE
											1.00	1.25	1.00	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
69+44.31	6944.31	0.00	24.21	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
69+50.00	6950.00	5.69	28.70	0.00	0.00	0.00	6	0	0	0	6	0	0	0	6
69+63.00	6963.00	13.00	42.82	0.00	0.00	0.00	17	0	0	0	23	0	0	0	23
69+75.00	6975.00	12.00	68.69	0.00	0.00	0.00	25	0	0	0	48	0	0	0	48
UNDISTRIBUTED		0.00	0.00	0.00	0.00	0.00	0	11	0	0	48	0	0	0	37

BLUEBIRD ALLEY STAGE 2

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	REDUCED MARSH IN FILL	MASS ORDINATE
											1.00	1.25	1.00	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
79+39.00	7939.00	0.00	18.70	0.00	0.03	0.00	0	0	0	0	0	0	0	0	0
79+50.00	7950.00	11.00	25.40	0.00	0.03	0.00	9	0	0	0	9	0	0	0	9
79+59.50	7959.50	9.50	30.70	0.00	0.67	0.00	10	0	0	0	19	0	0	0	19
79+75.00	7975.00	15.50	58.53	0.00	0.92	0.00	26	0	0	0	45	0	0	0	45
UNDISTRIBUTED		0.00	0.00	0.00	0.00	0.00	0	30	0	0	45	0	0	0	15

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED MARSH BACKFILL	WILL BE BACKFILLED WITH GRANULAR BACKFILL (OR CUT, OR BORROW)
6 - REDUCED MARSH IN FILL	REDUCED MARSH EXCAVATION THAT CAN BE USED IN FILL
8 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]

USH 45 STAGE 2 WIDENING

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT 1.00	EXPANDED FILL 1.25	EXPANDED MARSH BACKFILL 1.00	REDUCED MARSH IN FILL 1.00	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
877+12.60	87712.60	0.00	0.03	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
877+50.00	87750.00	37.40	7.22	0.00	0.00	0.00	5	0	0	0	5	0	0	0	5
878+00.00	87800.00	50.00	7.43	0.00	0.05	0.00	14	0	0	0	19	0	0	0	19
878+50.00	87850.00	50.00	7.53	0.00	0.05	0.00	14	0	0	0	33	0	0	0	33
879+00.00	87900.00	50.00	6.80	0.00	0.14	0.00	13	0	0	0	46	0	0	0	46
879+50.00	87950.00	50.00	6.85	0.00	0.14	0.00	13	0	0	0	59	0	0	0	59
880+00.00	88000.00	50.00	7.78	0.00	0.02	0.00	14	0	0	0	73	0	0	0	73
880+50.00	88050.00	50.00	7.47	0.00	0.05	0.00	14	0	0	0	87	0	0	0	87
881+00.00	88100.00	50.00	5.62	0.00	0.00	0.00	12	0	0	0	99	0	0	0	99
881+30.00	88130.00	30.00	0.03	0.00	0.00	0.00	3	0	0	0	102	0	0	0	102

USH 45 STAGE 2 WIDENING

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT 1.00	EXPANDED FILL 1.25	EXPANDED MARSH BACKFILL 1.00	REDUCED MARSH IN FILL 1.00	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
914+53.20	91453.20	0.00	7.75	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
915+00.00	91500.00	46.80	7.51	0.00	0.04	0.00	13	0	0	0	13	0	0	0	13
915+50.00	91550.00	50.00	7.34	0.00	0.03	0.00	14	0	0	0	27	0	0	0	27
916+00.00	91600.00	50.00	7.51	0.00	0.01	0.00	14	0	0	0	41	0	0	0	41
916+50.00	91650.00	50.00	7.43	0.00	0.02	0.00	14	0	0	0	55	0	0	0	55
917+00.00	91700.00	50.00	7.46	0.00	0.00	0.00	14	0	0	0	69	0	0	0	69
917+50.00	91750.00	50.00	7.30	0.00	0.01	0.00	14	0	0	0	83	0	0	0	83
917+90.00	91790.00	40.00	0.62	0.00	0.00	0.00	6	0	0	0	89	0	0	0	89

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED MARSH BACKFILL	WILL BE BACKFILLED WITH GRANULAR BACKFILL (OR CUT, OR BORROW)
6 - REDUCED MARSH IN FILL	REDUCED MARSH EXCAVATION THAT CAN BE USED IN FILL
8 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]

USH 45 STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT 1.00	EXPANDED FILL 1.25	EXPANDED MARSH BACKFILL 1.00	REDUCED MARSH IN FILL 1.00	MASS ORDINATE
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
879+50.00	87950.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
880+00.00	88000.00	50.00	19.65	0.00	0.00	0.00	18	0	0	0	18	0	0	0	18
880+50.00	88050.00	50.00	19.61	0.00	0.00	0.00	36	0	0	0	54	0	0	0	54
881+00.00	88100.00	50.00	23.46	0.00	3.76	0.00	40	0	3	0	94	4	0	0	90
881+50.00	88150.00	50.00	25.84	0.00	3.89	0.00	46	0	7	0	140	13	0	0	128
882+00.00	88200.00	50.00	40.85	0.00	0.00	0.00	62	0	4	0	202	18	0	0	185
882+50.00	88250.00	50.00	38.96	0.00	0.11	0.00	74	0	0	0	276	18	0	0	259
883+00.00	88300.00	50.00	38.79	0.00	0.11	0.00	72	0	0	0	348	18	0	0	331
883+50.00	88350.00	50.00	40.38	0.00	0.04	0.00	73	0	0	0	421	18	0	0	404
884+00.00	88400.00	50.00	40.08	0.00	0.18	0.00	75	0	0	0	496	18	0	0	479
884+50.00	88450.00	50.00	49.13	0.00	0.00	0.00	83	0	0	0	579	18	0	0	562
885+00.00	88500.00	50.00	41.00	0.00	0.31	0.00	83	0	0	0	662	18	0	0	645
885+50.00	88550.00	50.00	49.77	0.00	0.00	0.00	84	0	0	0	746	18	0	0	729
886+00.00	88600.00	50.00	38.59	0.00	0.34	0.00	82	0	0	0	828	18	0	0	811
886+50.00	88650.00	50.00	44.32	0.00	0.00	0.00	77	0	0	0	905	18	0	0	888
887+00.00	88700.00	50.00	33.14	0.00	1.77	0.00	72	0	2	0	977	20	0	0	957
887+50.00	88750.00	50.00	43.63	0.00	0.00	0.00	71	0	2	0	1,048	23	0	0	1,026
888+00.00	88800.00	50.00	39.87	0.00	0.08	0.00	77	0	0	0	1,125	23	0	0	1,103
888+50.00	88850.00	50.00	39.66	0.00	0.44	0.00	74	0	0	0	1,199	23	0	0	1,177
889+00.00	88900.00	50.00	26.20	0.00	0.00	0.00	61	0	0	0	1,260	23	0	0	1,238
889+50.00	88950.00	50.00	49.63	0.00	0.00	0.00	70	0	0	0	1,330	23	0	0	1,308
890+00.00	89000.00	50.00	45.57	0.00	0.30	0.00	88	0	0	0	1,418	23	0	0	1,396
890+50.00	89050.00	50.00	46.39	0.00	0.00	0.00	85	0	0	0	1,503	23	0	0	1,481
891+00.00	89100.00	50.00	46.27	0.00	0.00	0.00	86	0	0	0	1,589	23	0	0	1,567
891+50.00	89150.00	50.00	46.57	0.00	0.07	0.00	86	0	0	0	1,675	23	0	0	1,653
892+00.00	89200.00	50.00	55.57	0.00	0.00	0.00	95	0	0	0	1,770	23	0	0	1,748
892+50.00	89250.00	50.00	36.61	0.00	0.71	0.00	85	0	1	0	1,855	24	0	0	1,831
893+00.00	89300.00	50.00	21.56	0.00	0.00	0.00	54	0	1	0	1,909	25	0	0	1,884
893+50.00	89350.00	50.00	20.19	0.00	0.00	0.00	39	0	0	0	1,948	25	0	0	1,923
894+00.00	89400.00	50.00	32.20	0.00	0.23	0.00	49	0	0	0	1,997	25	0	0	1,972
894+50.00	89450.00	50.00	40.19	0.00	0.00	0.00	67	0	0	0	2,064	25	0	0	2,039
895+00.00	89500.00	50.00	32.25	0.00	1.21	0.00	67	0	1	0	2,131	26	0	0	2,105
895+50.00	89550.00	50.00	33.48	0.00	1.07	0.00	61	0	2	0	2,192	29	0	0	2,163
896+00.00	89600.00	50.00	34.86	0.00	1.13	0.00	63	0	2	0	2,255	31	0	0	2,224
896+50.00	89650.00	50.00	24.76	0.00	0.00	0.00	55	0	1	0	2,310	33	0	0	2,278
897+00.00	89700.00	50.00	37.60	0.00	0.00	0.00	58	0	0	0	2,368	33	0	0	2,336
897+50.00	89750.00	50.00	36.34	0.00	1.92	0.00	68	0	2	0	2,436	35	0	0	2,401
898+00.00	89800.00	50.00	35.33	0.00	1.47	0.00	66	0	3	0	2,502	39	0	0	2,463
898+50.00	89850.00	50.00	32.51	0.00	2.83	0.00	63	0	4	0	2,565	44	0	0	2,521
899+00.00	89900.00	50.00	33.81	0.00	2.27	0.00	61	0	5	0	2,626	50	0	0	2,576

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED MARSH BACKFILL	WILL BE BACKFILLED WITH GRANULAR BACKFILL (OR CUT, OR BORROW)
6 - REDUCED MARSH IN FILL	REDUCED MARSH EXCAVATION THAT CAN BE USED IN FILL
8 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]

USH 45 STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	REDUCED MARSH IN FILL	MASS ORDINATE
											1.00	1.25	1.00	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
899+50.00	89950.00	50.00	32.96	0.00	4.94	0.00	62	0	7	0	2,688	59	0	0	2,629
900+00.00	90000.00	50.00	24.76	0.00	0.00	0.00	53	0	5	0	2,741	65	0	0	2,676
900+50.00	90050.00	50.00	23.04	0.00	0.00	0.00	44	0	0	0	2,785	65	0	0	2,720
901+00.00	90100.00	50.00	29.79	0.00	6.23	0.00	49	0	6	0	2,834	73	0	0	2,762
901+50.00	90150.00	50.00	28.03	0.00	8.09	0.00	54	0	13	0	2,888	89	0	0	2,799
902+00.00	90200.00	50.00	27.30	0.00	4.18	0.00	51	0	11	0	2,939	103	0	0	2,837
902+50.00	90250.00	50.00	27.74	0.00	4.67	0.00	51	0	8	0	2,990	113	0	0	2,878
903+00.00	90300.00	50.00	28.19	0.00	2.29	0.00	52	0	6	0	3,042	120	0	0	2,922
903+50.00	90350.00	50.00	27.20	0.00	4.97	0.00	51	0	7	0	3,093	129	0	0	2,964
904+00.00	90400.00	50.00	27.26	0.00	3.59	0.00	50	0	8	0	3,143	139	0	0	3,004
904+50.00	90450.00	50.00	30.95	0.00	1.67	0.00	54	0	5	0	3,197	145	0	0	3,052
905+00.00	90500.00	50.00	44.14	0.00	0.00	0.00	70	0	2	0	3,267	148	0	0	3,120
905+50.00	90550.00	50.00	32.22	0.00	0.91	0.00	71	0	1	0	3,338	149	0	0	3,189
906+00.00	90600.00	50.00	32.72	0.00	0.13	0.00	60	0	1	0	3,398	150	0	0	3,248
906+50.00	90650.00	50.00	43.38	0.00	0.00	0.00	70	0	0	0	3,468	150	0	0	3,318
907+00.00	90700.00	50.00	29.22	0.00	2.63	0.00	67	0	2	0	3,535	153	0	0	3,383
907+50.00	90750.00	50.00	29.89	0.00	3.12	0.00	55	0	5	0	3,590	159	0	0	3,431
908+00.00	90800.00	50.00	29.89	0.00	3.33	0.00	55	0	6	0	3,645	166	0	0	3,479
908+50.00	90850.00	50.00	29.51	0.00	3.14	0.00	55	0	6	0	3,700	174	0	0	3,526
909+00.00	90900.00	50.00	29.01	0.00	2.87	0.00	54	0	6	0	3,754	181	0	0	3,573
909+50.00	90950.00	50.00	28.81	0.00	2.65	0.00	54	0	5	0	3,808	188	0	0	3,621
910+00.00	91000.00	50.00	27.51	0.00	4.18	0.00	52	0	6	0	3,860	195	0	0	3,665
910+50.00	91050.00	50.00	31.29	0.00	2.73	0.00	54	0	6	0	3,914	203	0	0	3,712
911+00.00	91100.00	50.00	36.02	0.00	0.21	0.00	62	0	3	0	3,976	206	0	0	3,770
911+50.00	91150.00	50.00	33.11	0.00	1.35	0.00	64	0	1	0	4,040	208	0	0	3,833
912+00.00	91200.00	50.00	30.93	0.00	2.24	0.00	59	0	3	0	4,099	211	0	0	3,888
912+50.00	91250.00	50.00	29.02	0.00	3.70	0.00	56	0	5	0	4,155	218	0	0	3,938
913+00.00	91300.00	50.00	27.88	0.00	4.08	0.00	53	0	7	0	4,208	226	0	0	3,982
913+50.00	91350.00	50.00	47.48	0.00	0.08	0.00	70	0	4	0	4,278	231	0	0	4,047
914+00.00	91400.00	50.00	36.62	0.00	0.00	0.00	78	0	0	0	4,356	231	0	0	4,125
914+50.00	91450.00	50.00	40.85	0.00	0.00	0.00	72	0	0	0	4,428	231	0	0	4,197
915+00.00	91500.00	50.00	27.80	0.00	0.00	0.00	64	0	0	0	4,492	231	0	0	4,261
915+50.00	91550.00	50.00	24.49	0.00	0.00	0.00	48	0	0	0	4,540	231	0	0	4,309
916+00.00	91600.00	50.00	0.00	0.00	0.00	0.00	23	0	0	0	4,563	231	0	0	4,332
916+50.00	91650.00	50.00	0.00	0.00	0.00	0.00	0	0	0	0	4,563	231	0	0	4,332
UNDISTRIBUTED		0.00	0.00	0.00	0.00	0.00	0	2,657	0	0	4,563	231	0	0	1,675

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED MARSH BACKFILL	WILL BE BACKFILLED WITH GRANULAR BACKFILL (OR CUT, OR BORROW)
6 - REDUCED MARSH IN FILL	REDUCED MARSH EXCAVATION THAT CAN BE USED IN FILL
8 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]

COLE STREET STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	REDUCED MARSH IN FILL	MASS ORDINATE
											1.00	1.25	1.00	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
20+25.00	2025.00	0.00	113.66	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
20+38.00	2038.00	13.00	61.36	0.00	0.00	0.00	42	0	0	0	42	0	0	0	42
20+43.00	2043.00	5.00	56.55	0.00	0.00	0.00	11	0	0	0	53	0	0	0	53
20+61.00	2061.00	18.00	28.67	0.00	0.00	0.00	28	0	0	0	81	0	0	0	81
UNDISTRIBUTED		0.00	0.00	0.00	0.00	0.00	0	20	0	0	81	0	0	0	61

RUMMEL STREET STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	REDUCED MARSH IN FILL	MASS ORDINATE
											1.00	1.25	1.00	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
30+25.00	3025.00	0.00	110.74	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
30+48.63	3048.63	23.63	62.31	0.00	0.00	0.00	76	0	0	0	76	0	0	0	76
30+59.80	3059.80	11.17	57.51	0.00	0.00	0.00	25	0	0	0	101	0	0	0	101
UNDISTRIBUTED		0.00	0.00	0.00	0.00	0.00	0	26	0	0	101	0	0	0	75

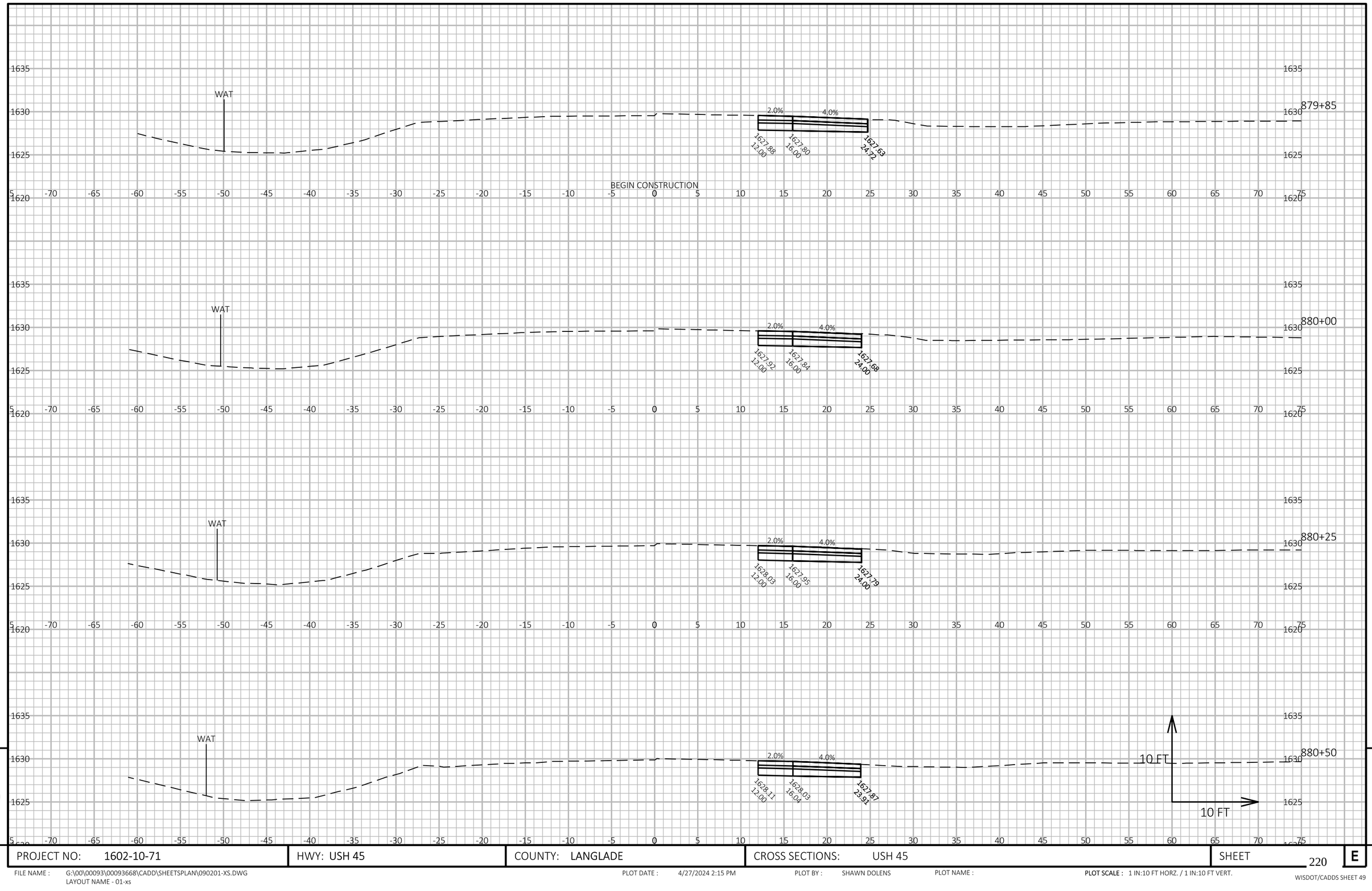
OWANO STREET STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	REDUCED MARSH IN FILL	MASS ORDINATE
											1.00	1.25	1.00	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
40+25.00	4025.00	0.00	101.95	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
40+43.80	4043.80	18.80	55.21	0.00	0.00	0.00	55	0	0	0	55	0	0	0	55
40+50.00	4050.00	6.20	47.52	0.00	0.00	0.00	12	0	0	0	67	0	0	0	67
40+59.60	4059.60	9.60	40.29	0.00	0.00	0.00	16	0	0	0	83	0	0	0	83
UNDISTRIBUTED		0.00	0.00	0.00	0.00	0.00	0	21	0	0	83	0	0	0	62

ELCHO STREET STAGE 3

STATION	REAL STATION	DISTANCE	AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)				
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	MARSH EXC	CUT	EXPANDED FILL	EXPANDED MARSH BACKFILL	REDUCED MARSH IN FILL	MASS ORDINATE
											1.00	1.25	1.00	1.00	
							NOTE 1	NOTE 2	NOTE 3		NOTE 1		NOTE 4	NOTE 6	NOTE 8
50+25.00	5025.00	0.00	87.30	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
50+41.27	5041.27	16.27	48.47	0.00	0.00	0.00	41	0	0	0	41	0	0	0	41
50+50.49	5050.49	9.22	39.71	0.00	0.00	0.00	15	0	0	0	56	0	0	0	56
50+59.50	5059.50	9.01	33.55	0.00	0.00	0.00	12	0	0	0	68	0	0	0	68
UNDISTRIBUTED		0.00	0.00	0.00	0.00	0.00	0	21	0	0	68	0	0	0	47

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - EXPANDED MARSH BACKFILL	WILL BE BACKFILLED WITH GRANULAR BACKFILL (OR CUT, OR BORROW)
6 - REDUCED MARSH IN FILL	REDUCED MARSH EXCAVATION THAT CAN BE USED IN FILL
8 - MASS ORDINATE	IF MARSH OR EBS TO BE BACKFILLED WITH COMMON OR BORROW: [(CUT - SALVAGED PAVT - EXPANDED MARSH EXC - EXPANDED EBS) - ((FILL - REDUCED MARSH IN FILL - REDUCED EBS IN FILL - EXPANDED ROCK) * FILL FACTOR)]



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 220	E

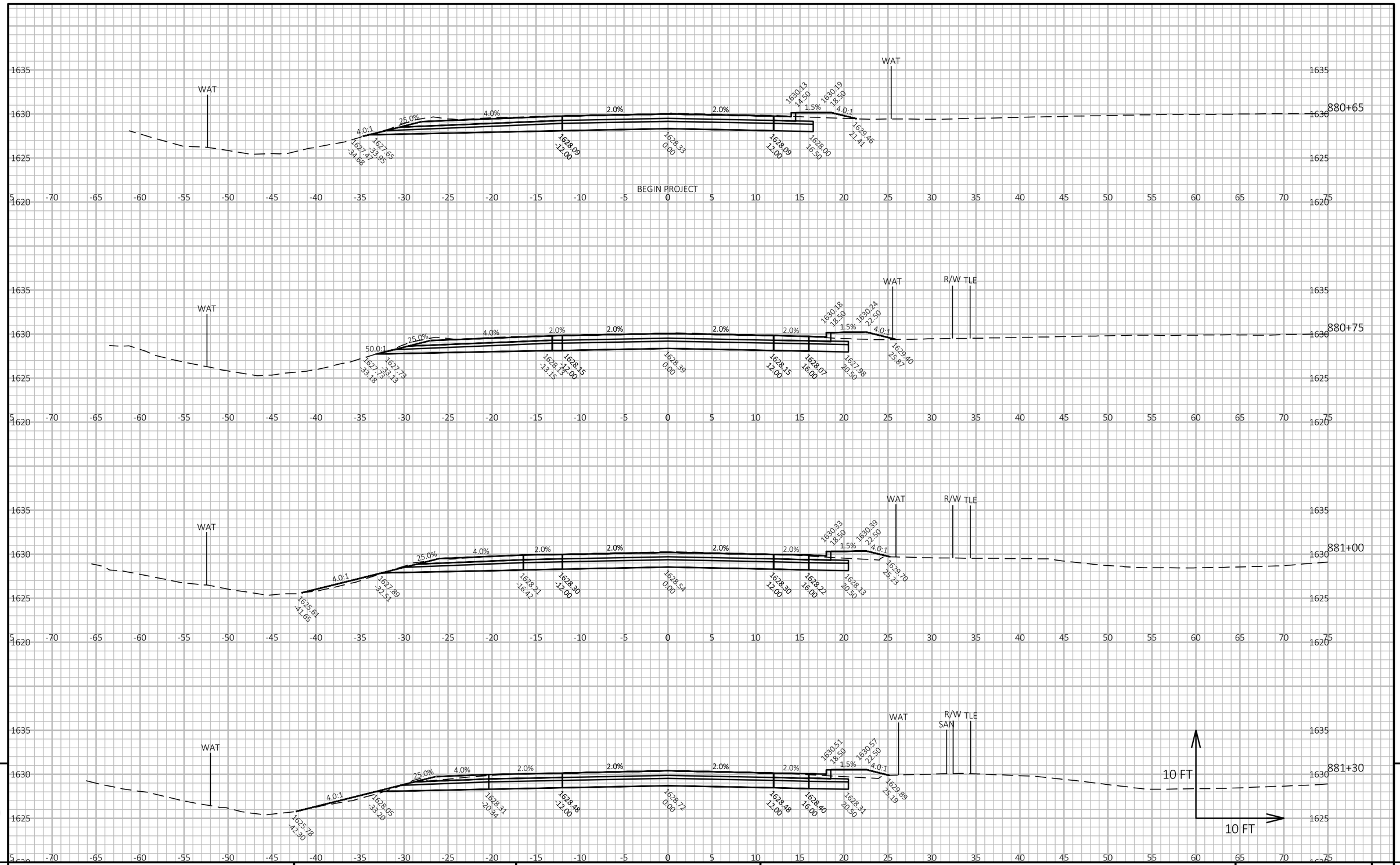
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LAYOUT NAME - 01-xs

PLOT DATE : 4/27/2024 2:15 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 221	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 02-xs

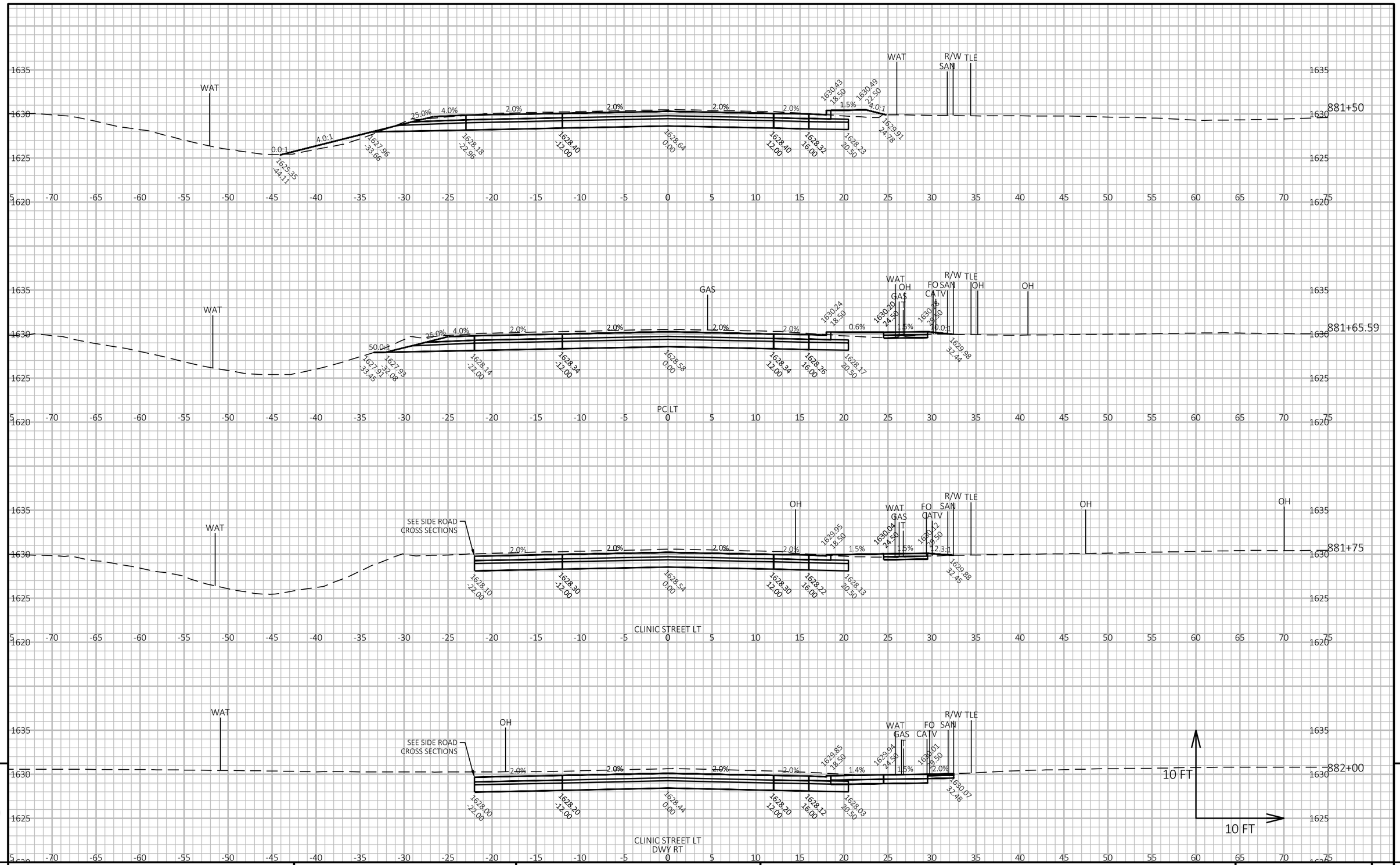
PLOT DATE : 4/27/2024 2:16 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 222	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 03-xs

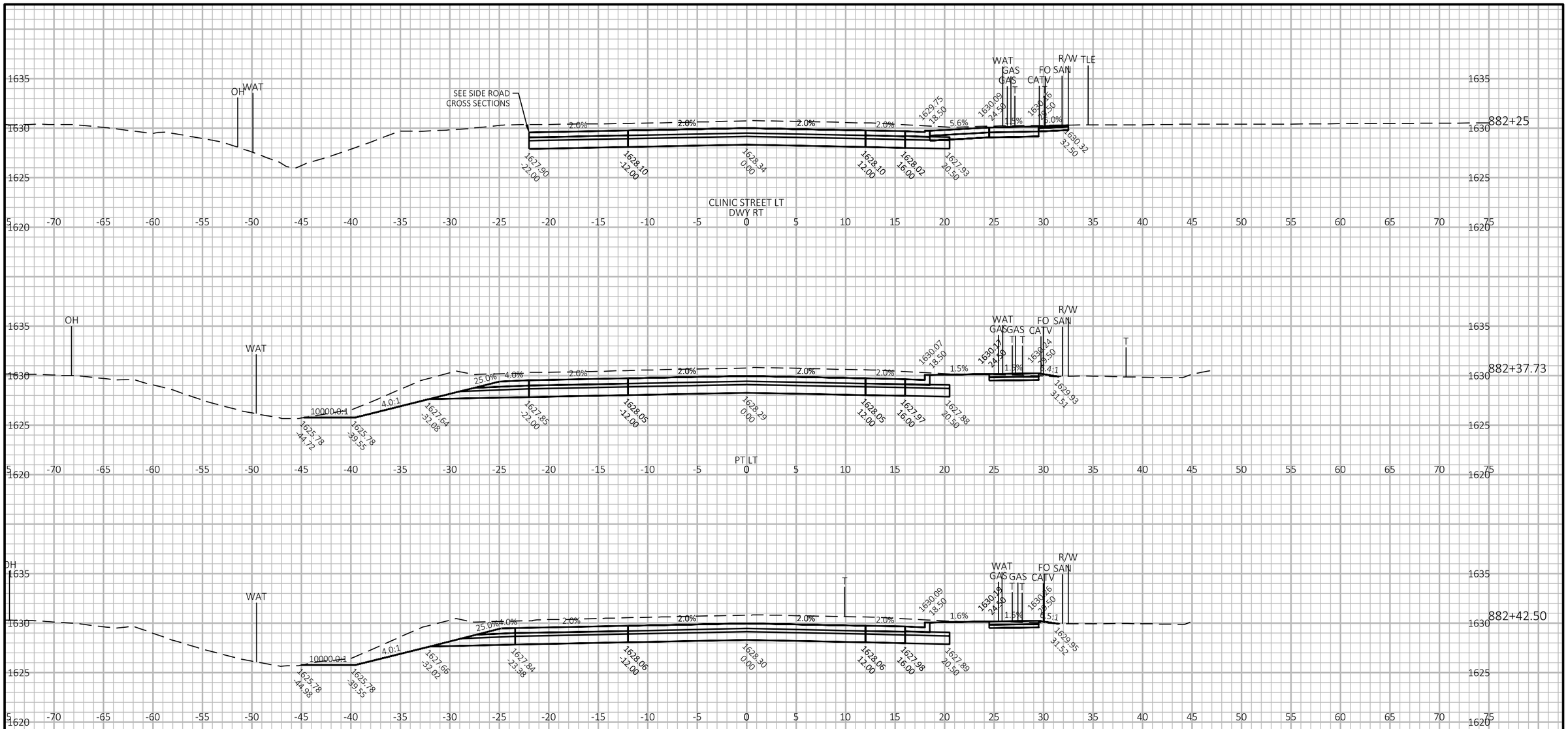
PLOT DATE : 4/27/2024 2:16 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 223	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 04-xs

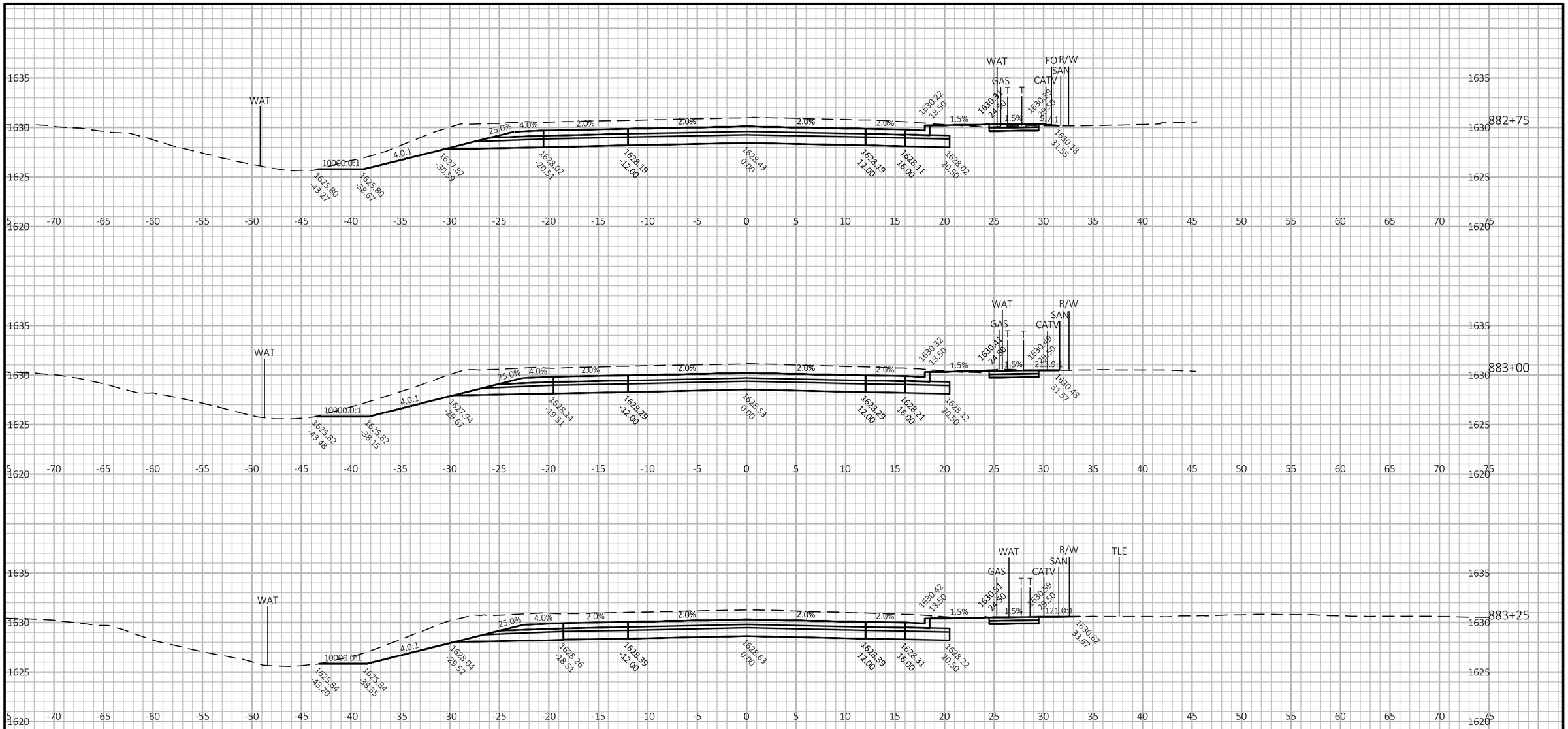
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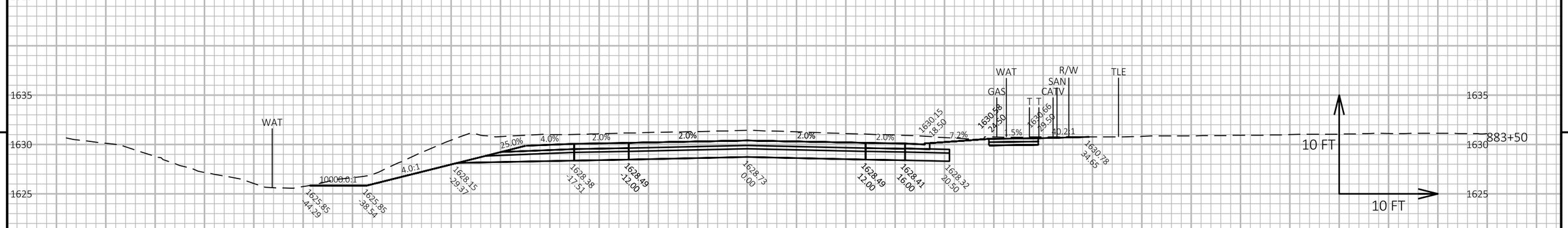
PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 224	E

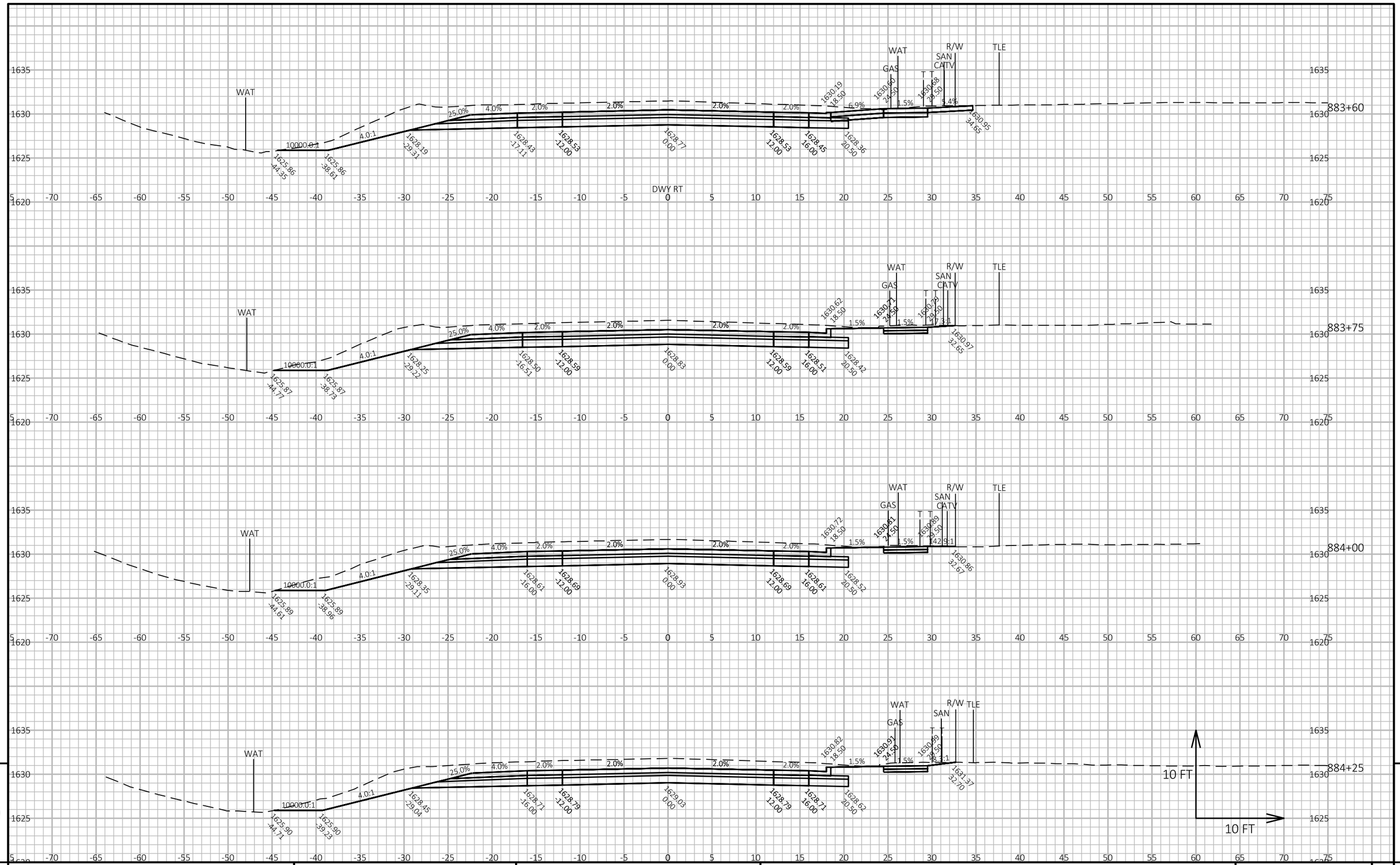
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LAYOUT NAME - 05-xs

PLOT DATE : 4/27/2024 2:16 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 225	E

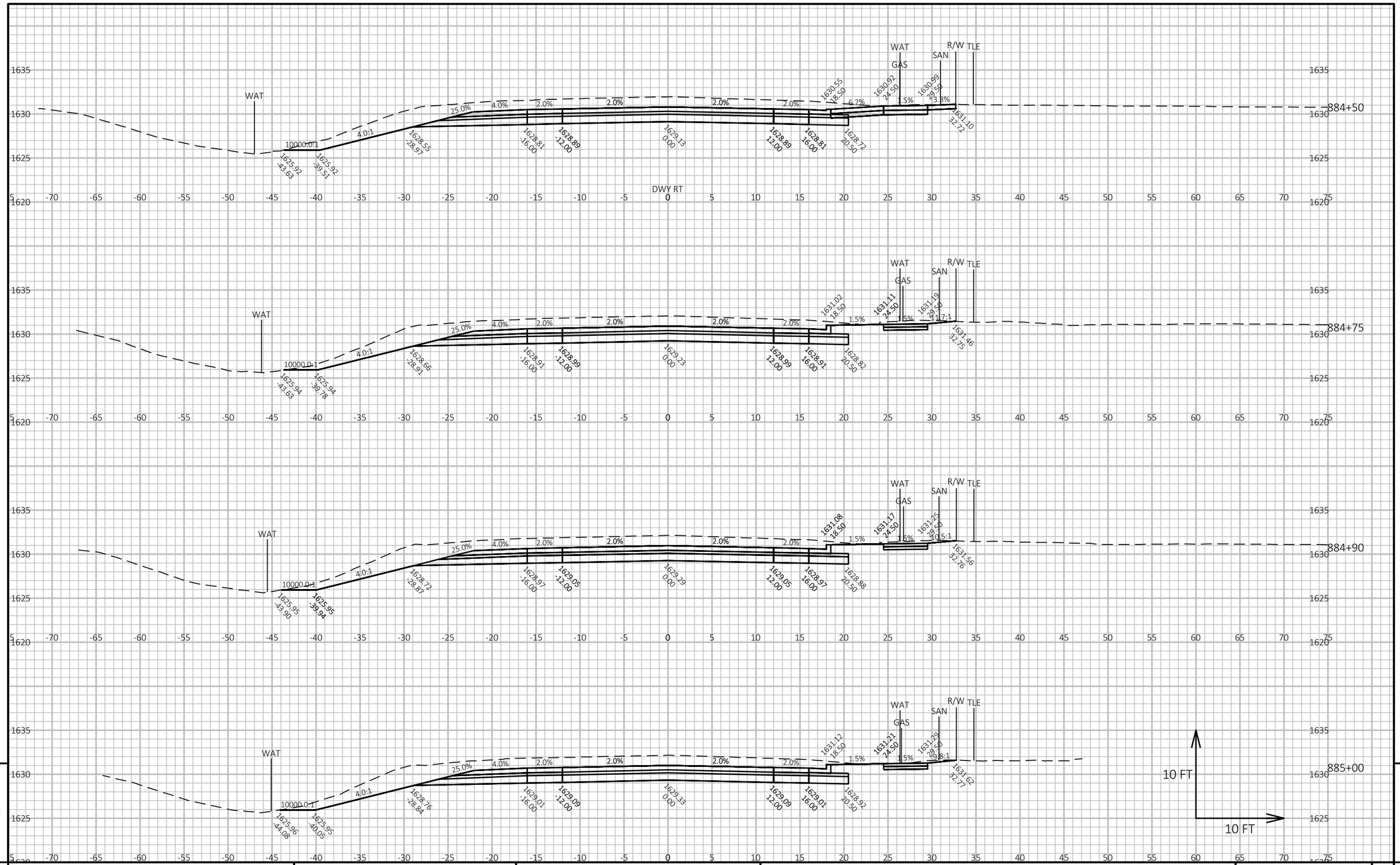
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LAYOUT NAME - 06-xs

PLOT DATE : 4/27/2024 2:16 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 226	E

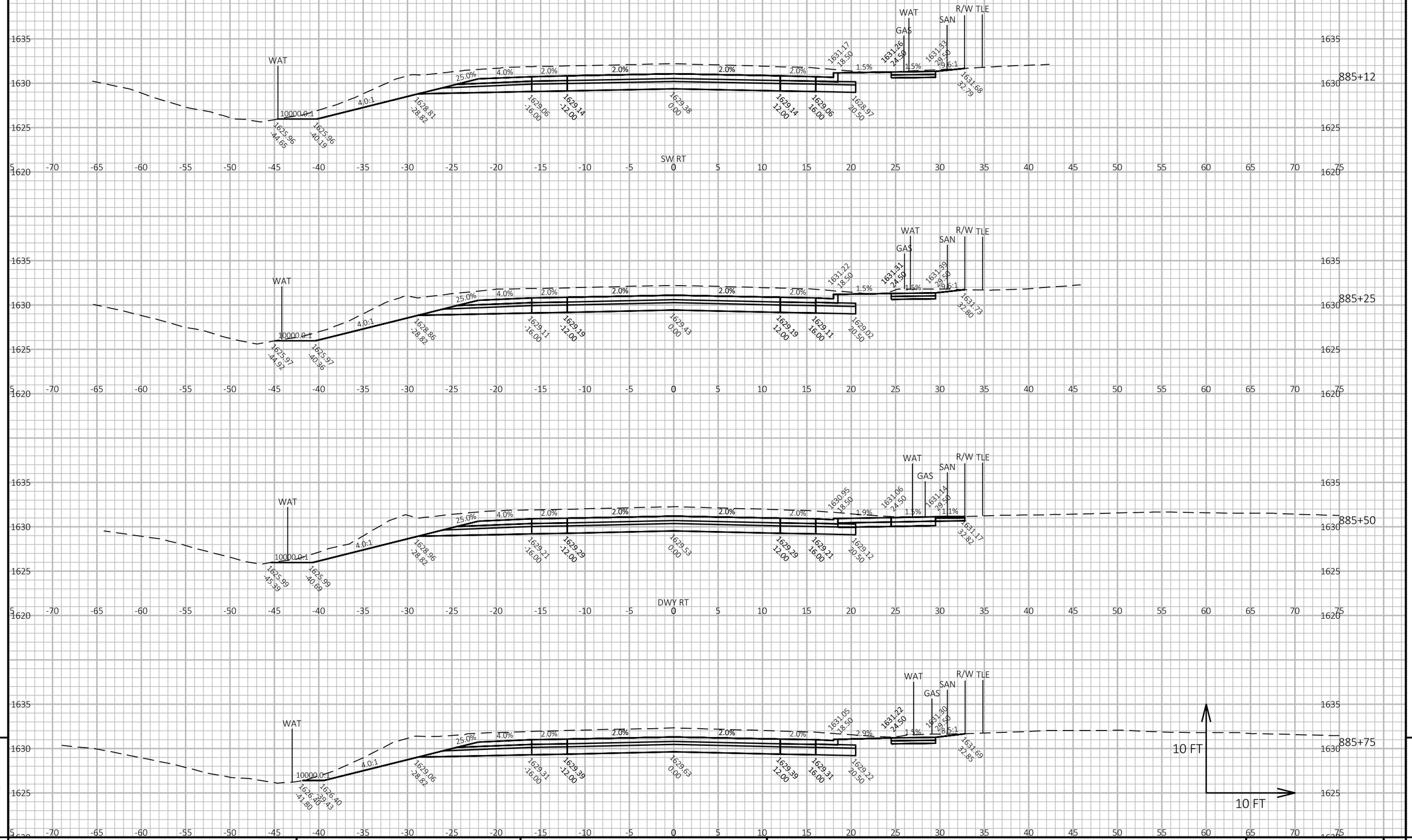
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LAYOUT NAME - 07-xs

PLOT DATE : 4/27/2024 2:17 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 227	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 08-xs

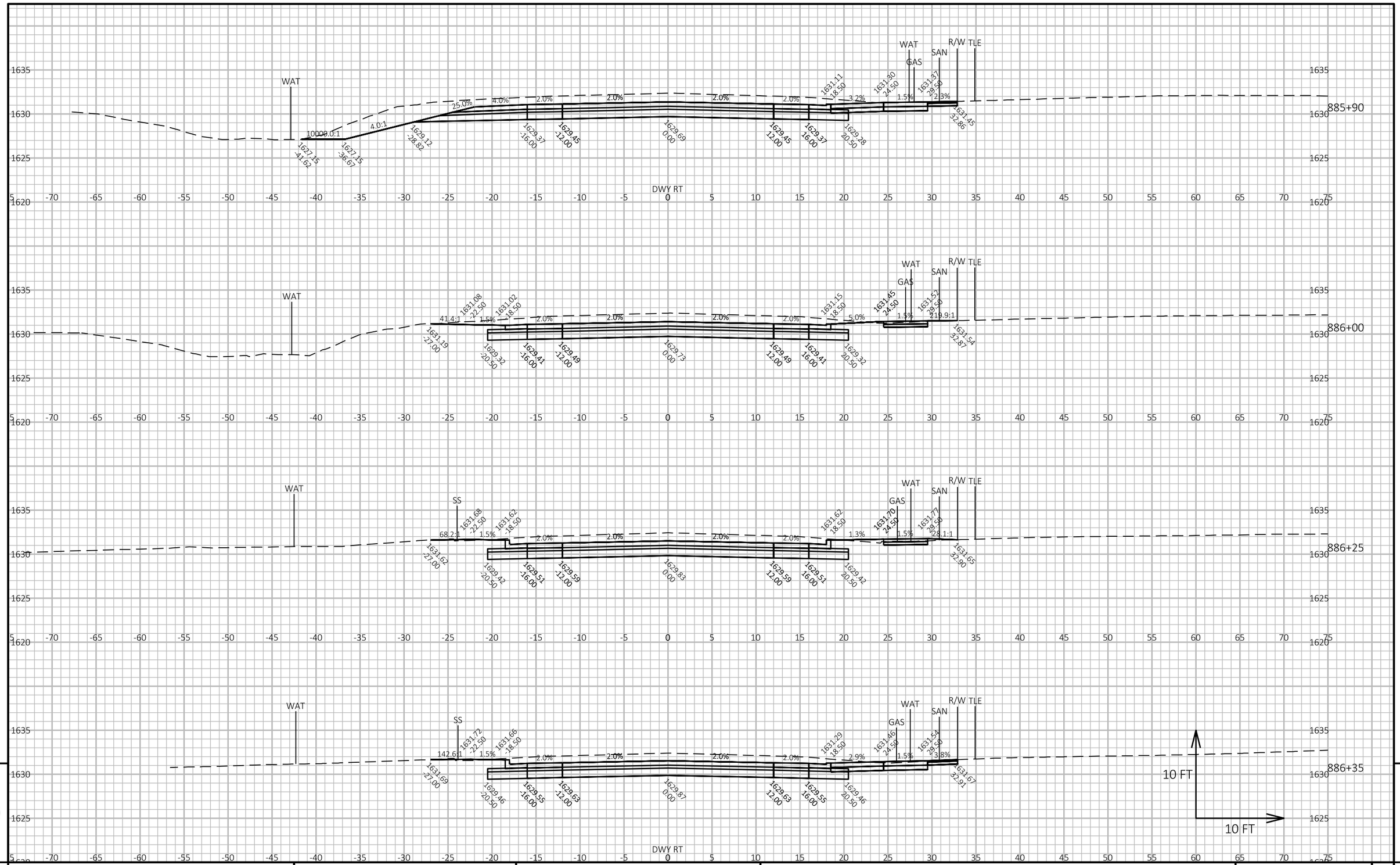
PLOT DATE : 4/27/2024 2:17 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 228	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 09-xs

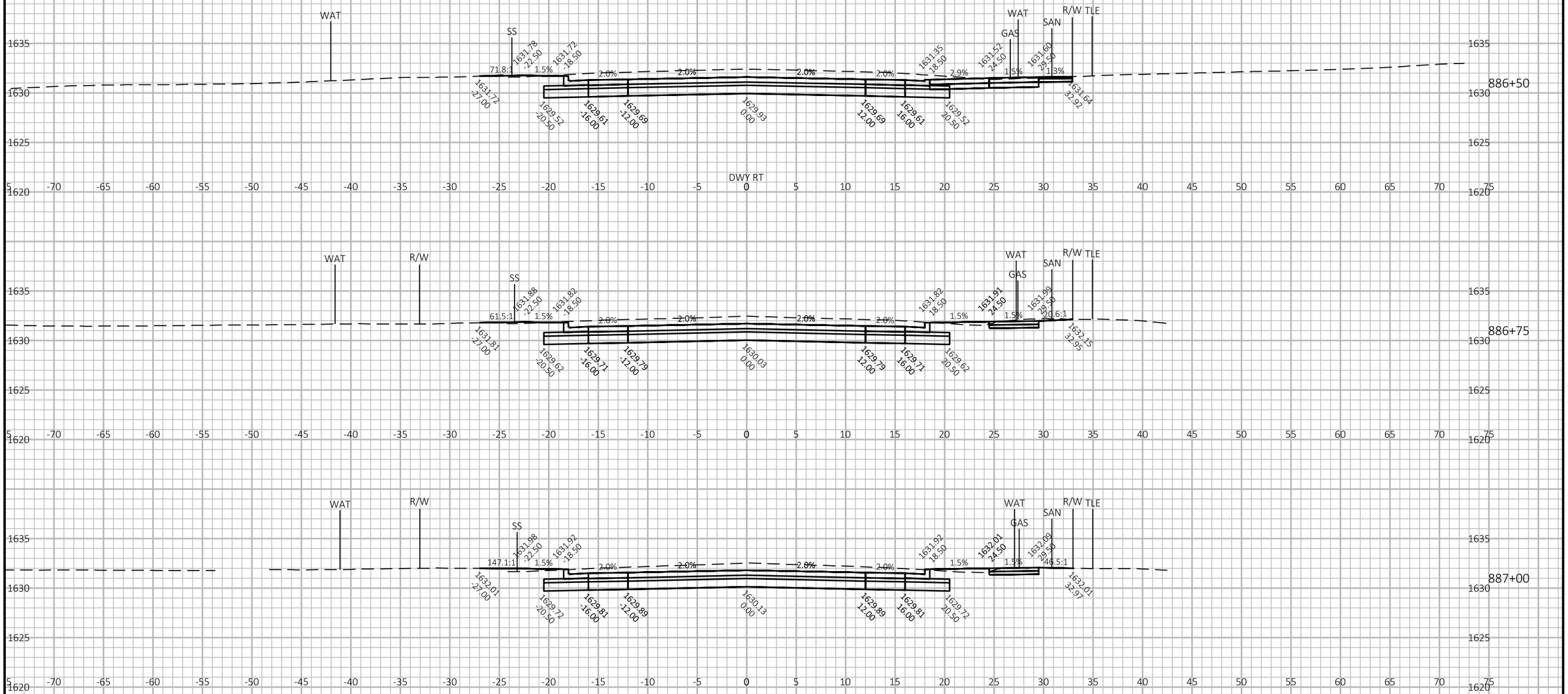
PLOT DATE : 4/27/2024 2:17 PM

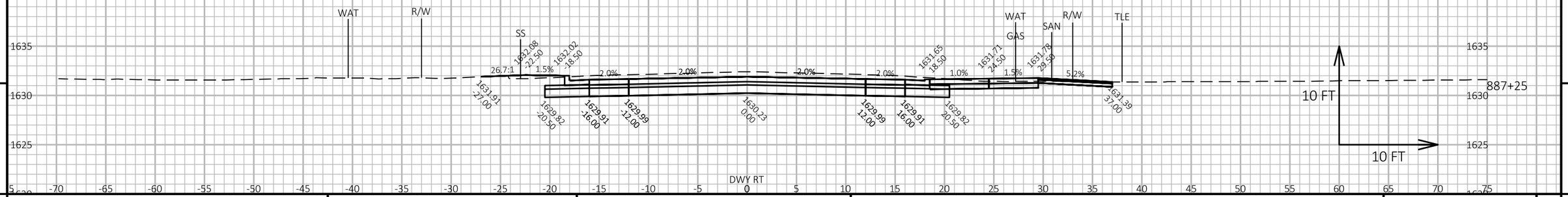
PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



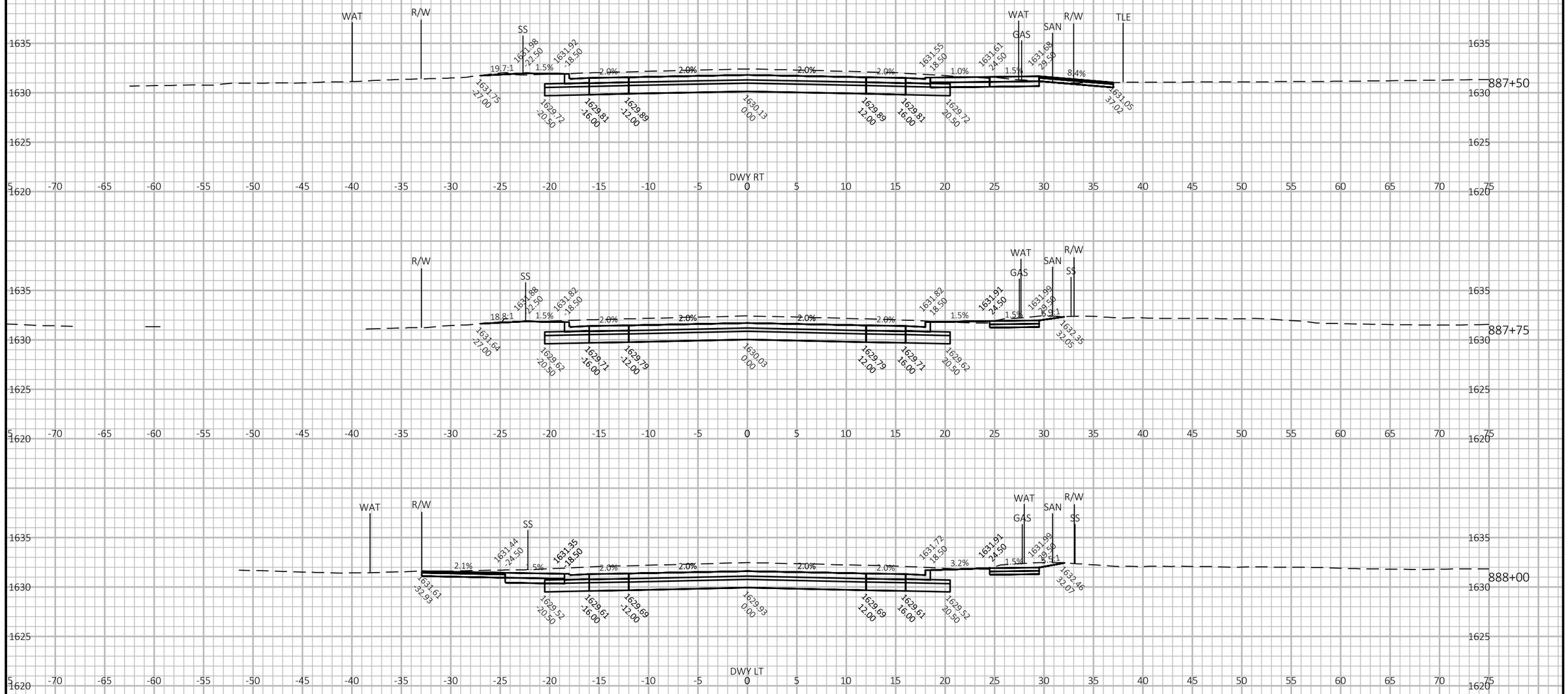


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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 229	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 10-xs

PLOT DATE : 4/27/2024 2:17 PM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 230	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 11-xs

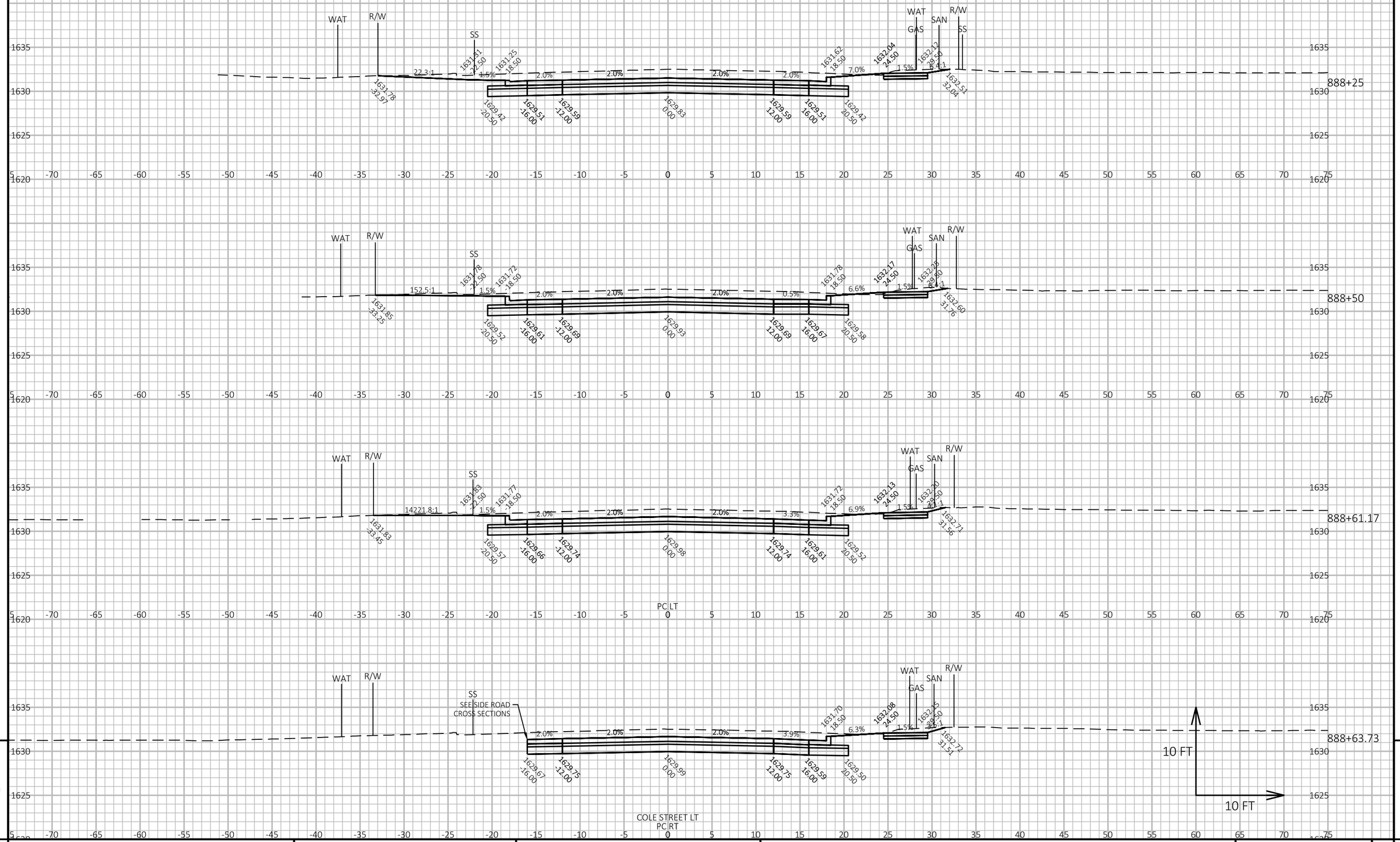
PLOT DATE : 4/27/2024 2:18 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 231	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 12-xs

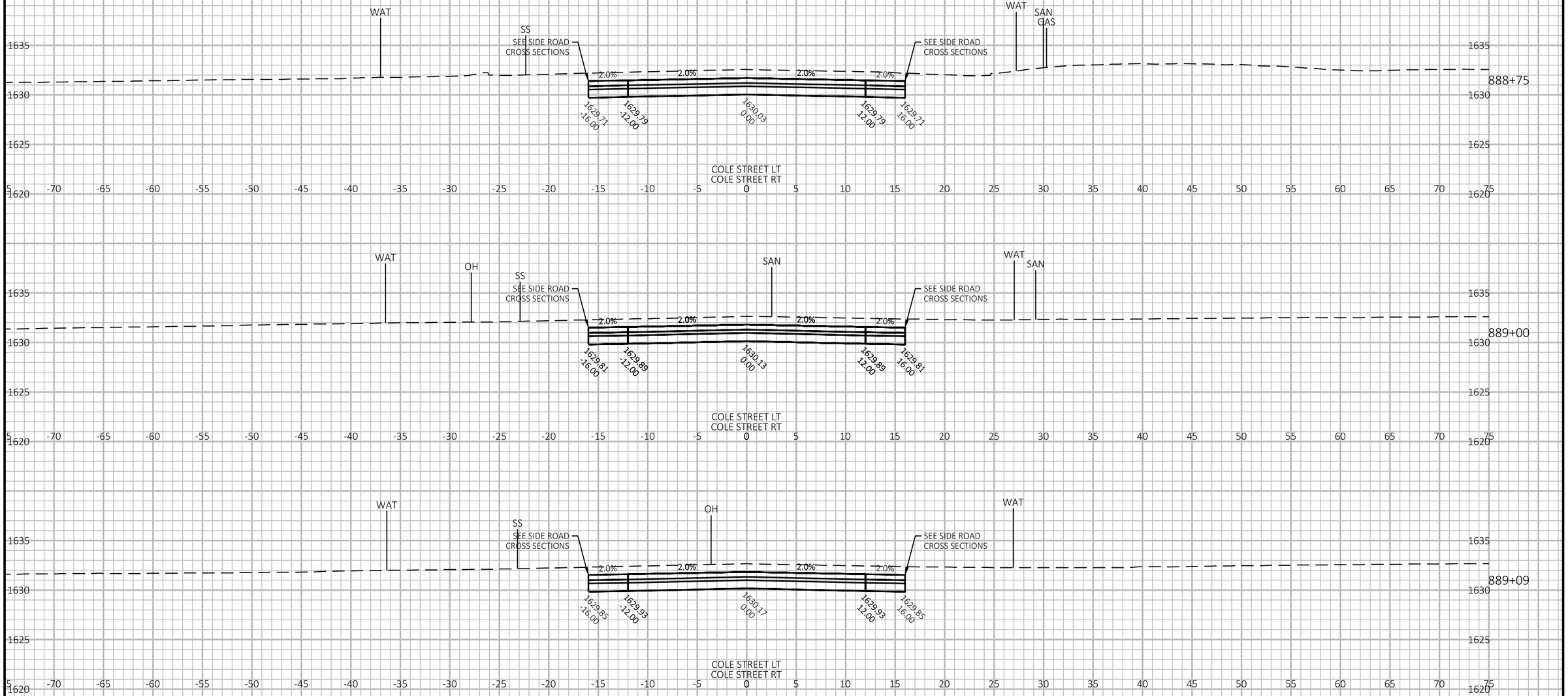
PLOT DATE : 4/27/2024 2:18 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 232	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 13-xs

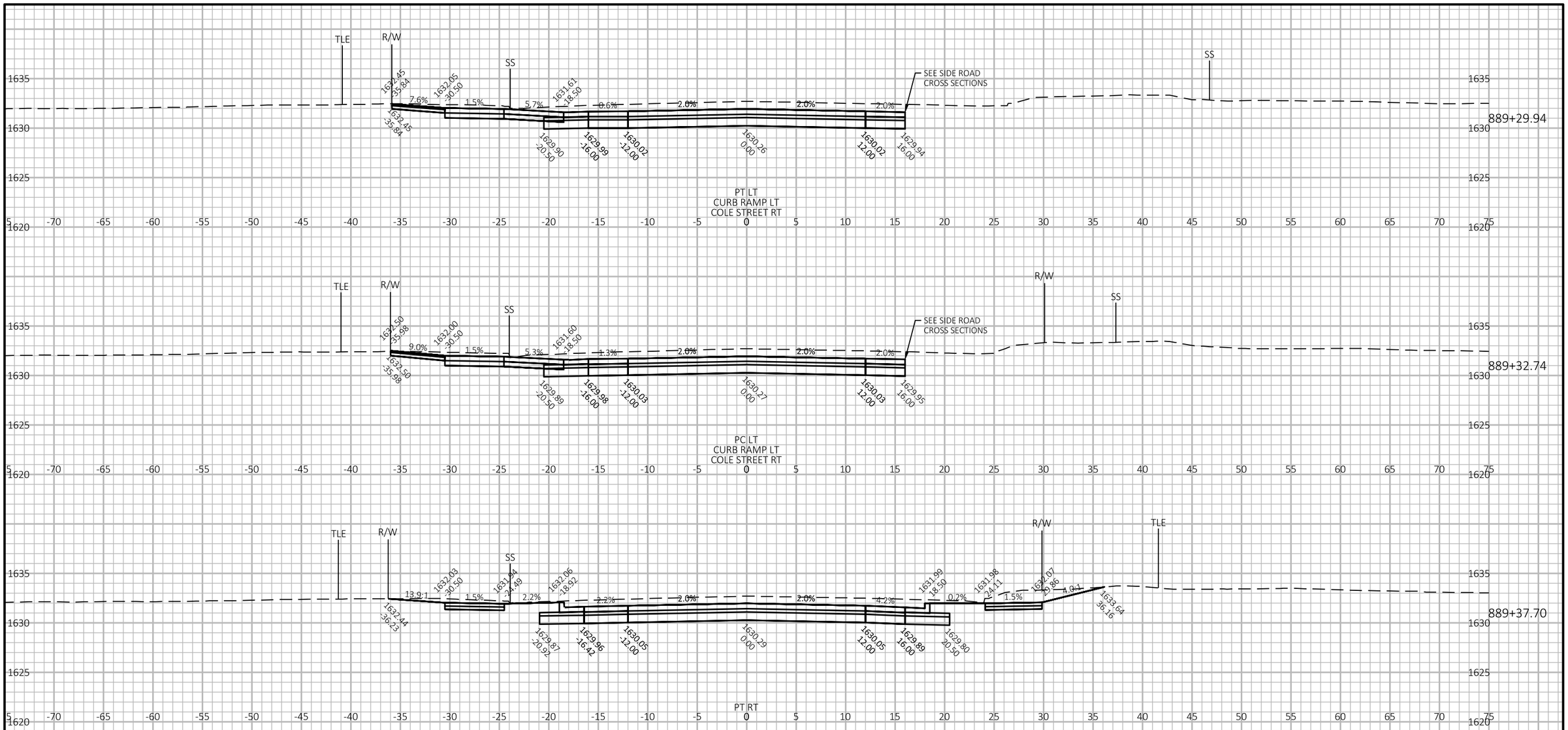
PLOT DATE : 4/27/2024 2:18 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 233	E

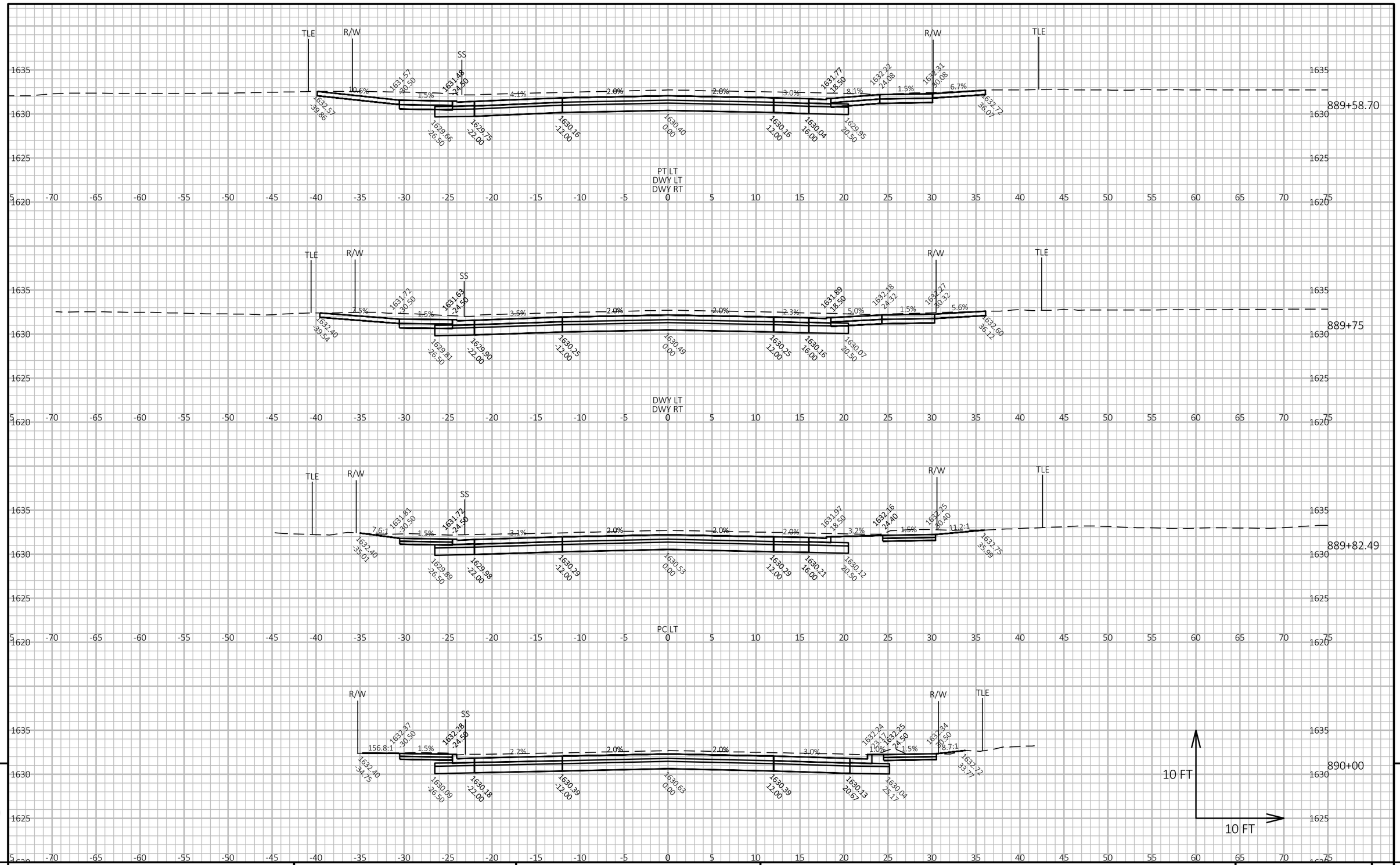
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LAYOUT NAME - 14-xs

PLOT DATE : 5/1/2024 10:26 AM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 234	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 15-xs

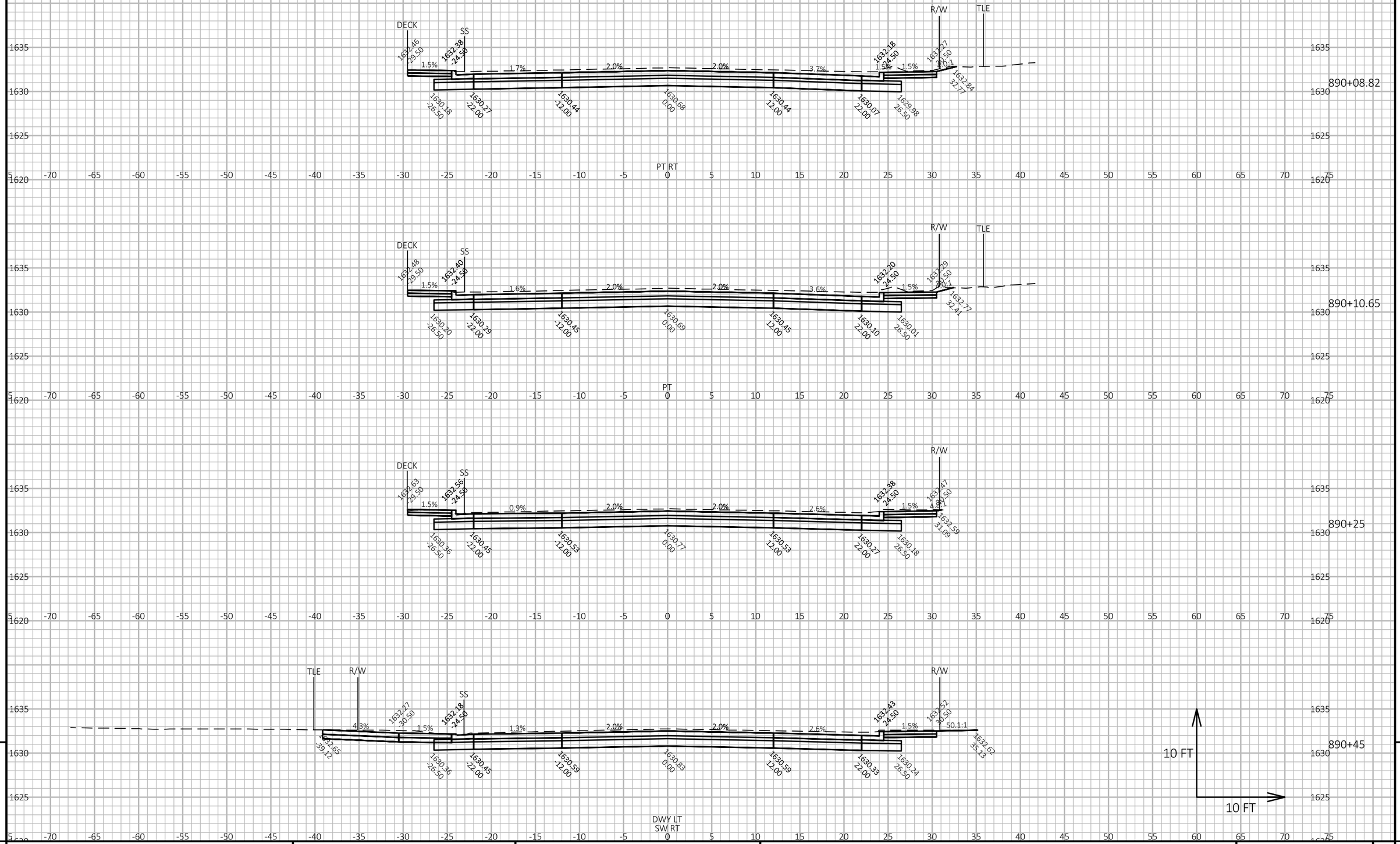
PLOT DATE : 4/27/2024 2:18 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 235	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 16-xs

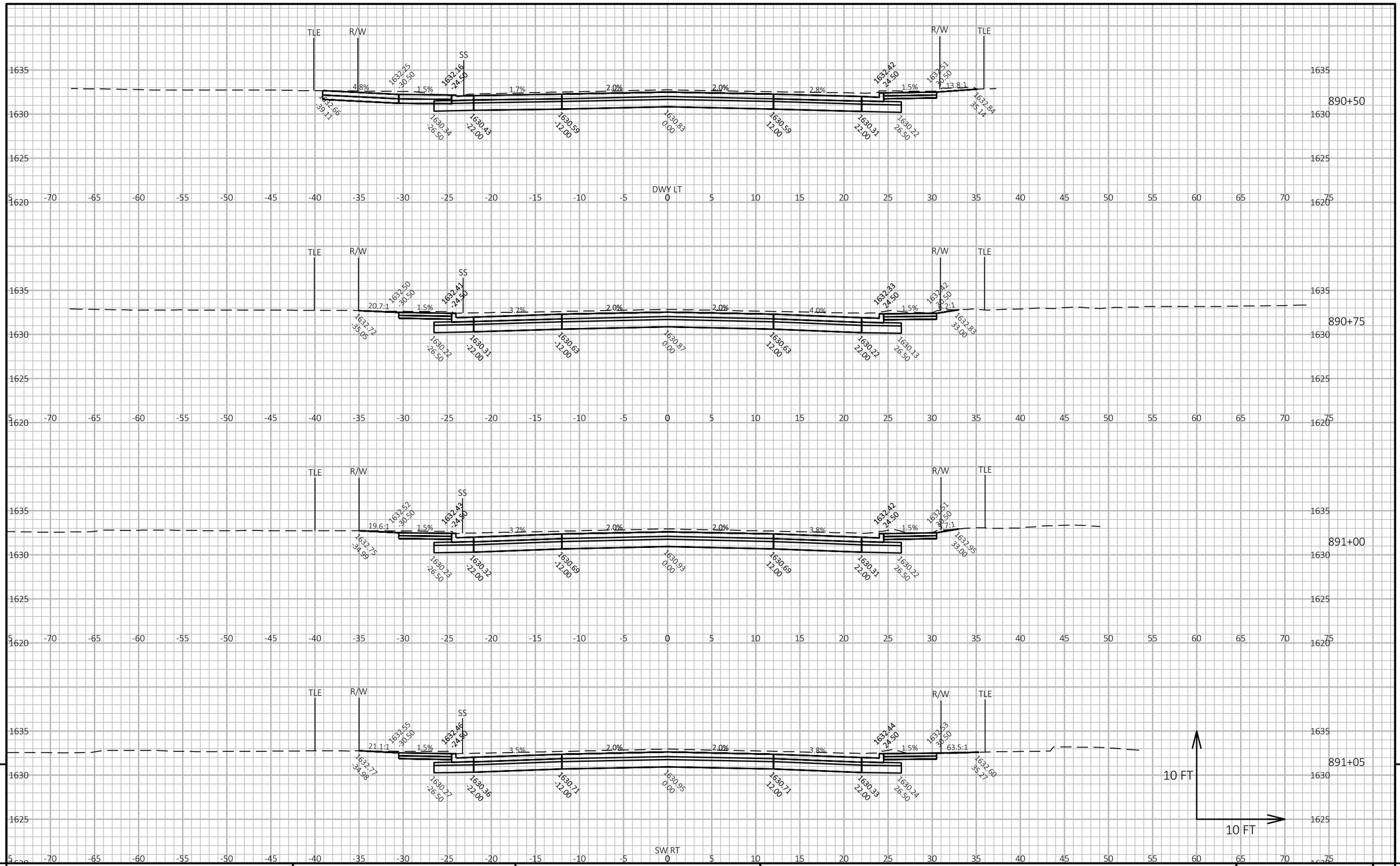
PLOT DATE : 4/27/2024 2:19 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 236	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 17-xs

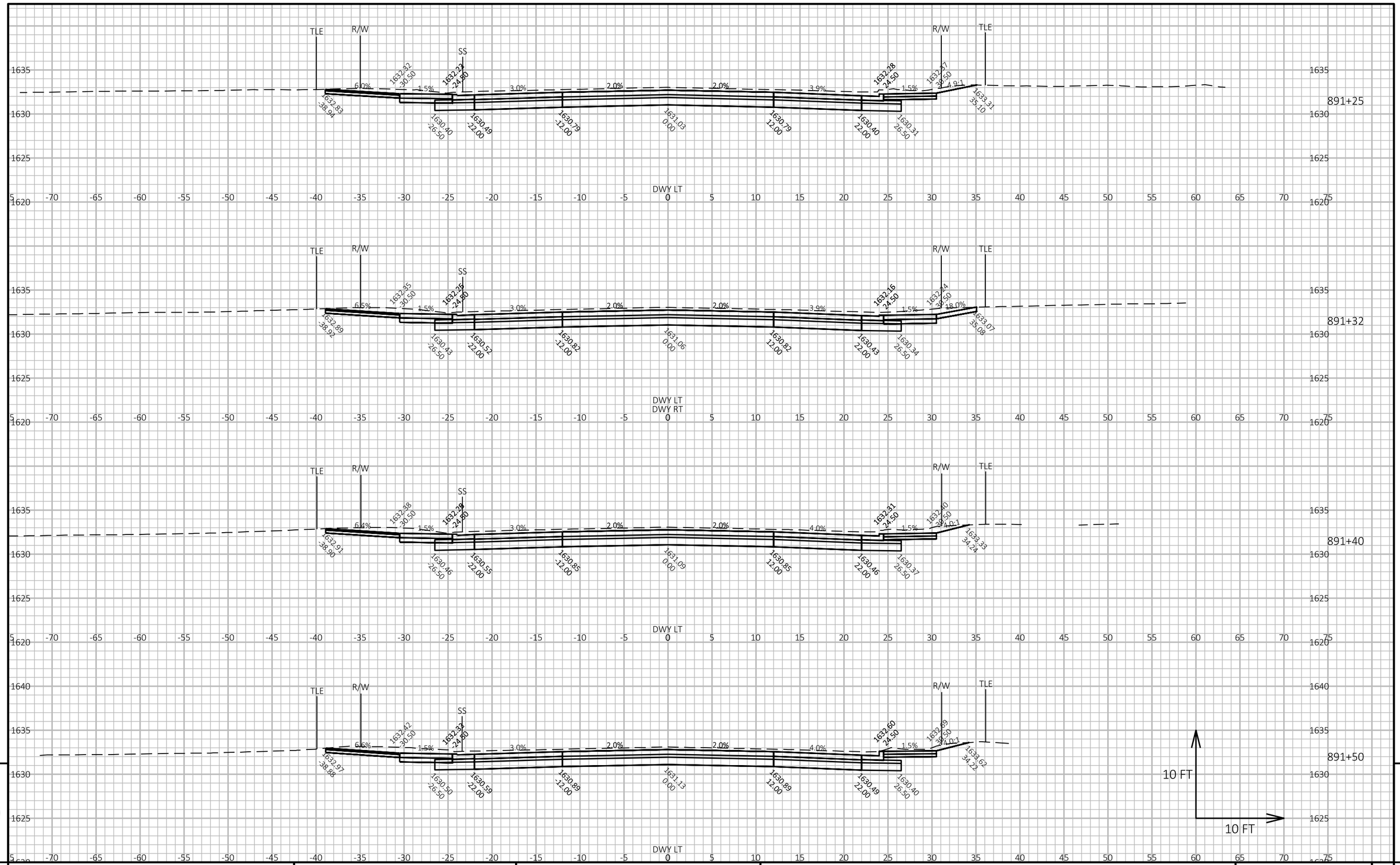
PLOT DATE : 4/27/2024 2:19 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 237	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 18-xs

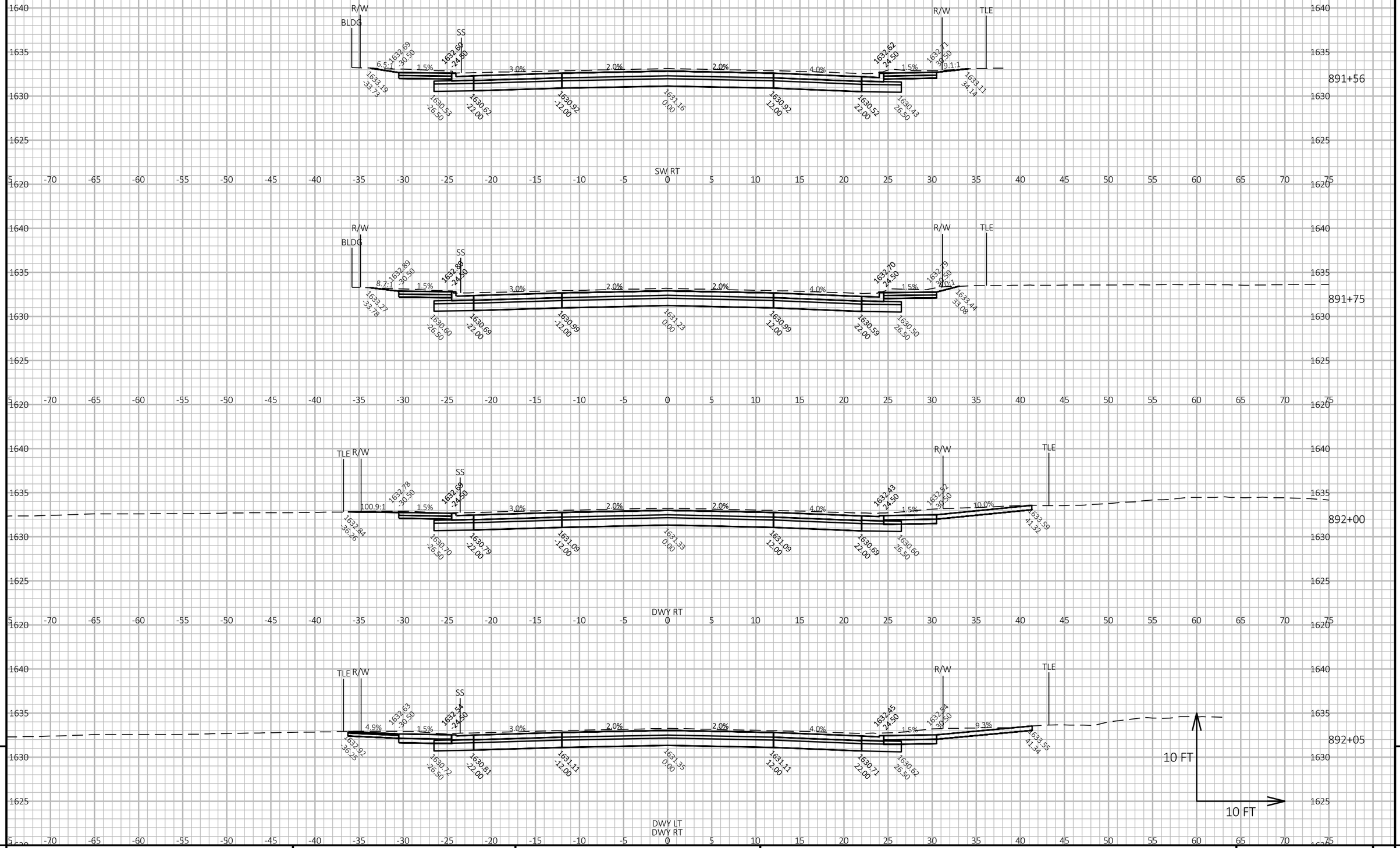
PLOT DATE : 4/27/2024 2:19 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 238	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 19-xs

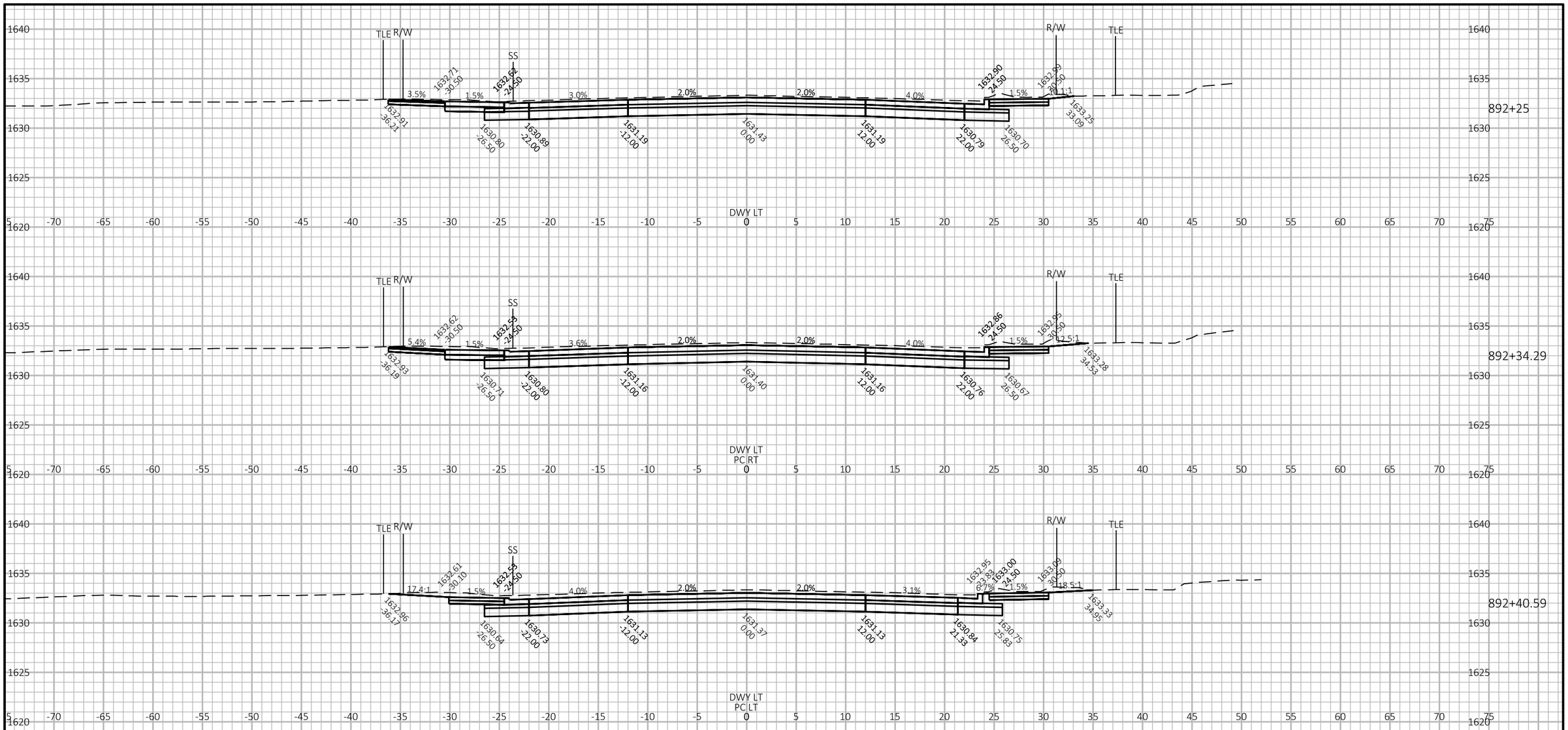
PLOT DATE : 4/27/2024 2:19 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 239	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 20-xs

PLOT DATE : 4/27/2024 2:19 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 240	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 21-xs

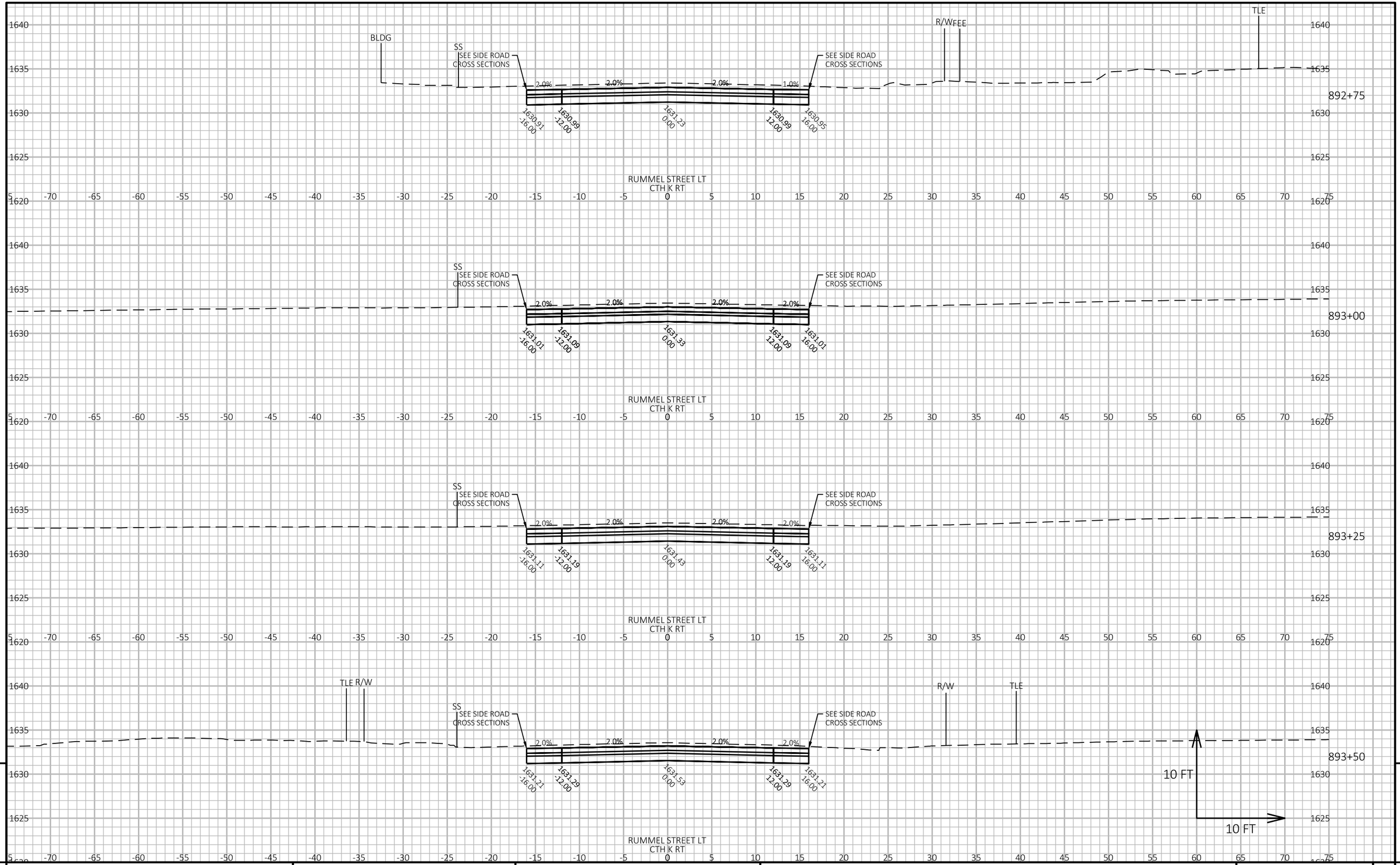
PLOT DATE : 4/27/2024 2:20 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 241	E

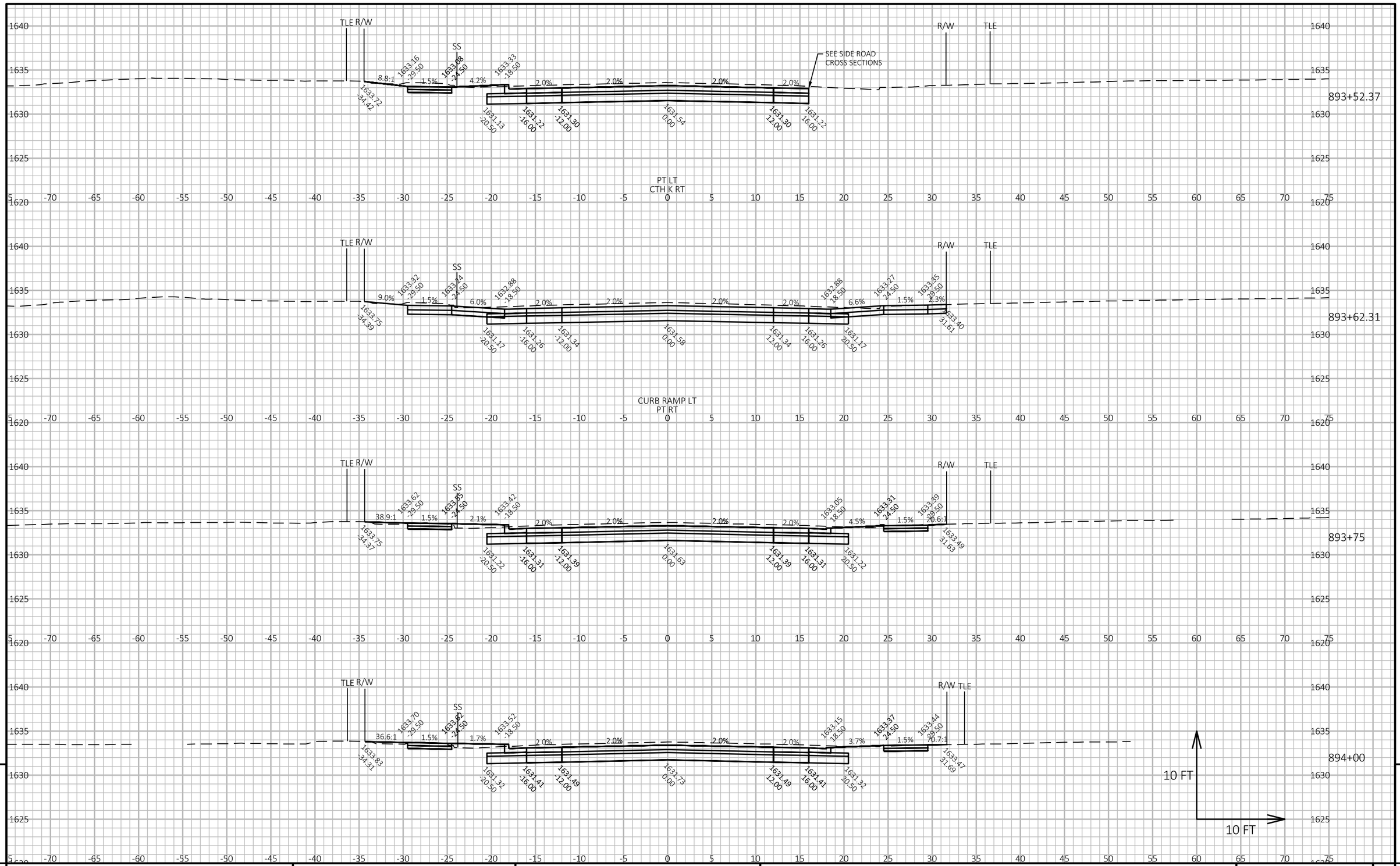
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LAYOUT NAME - 22-xs

PLOT DATE : 4/27/2024 2:20 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 242	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 23-xs

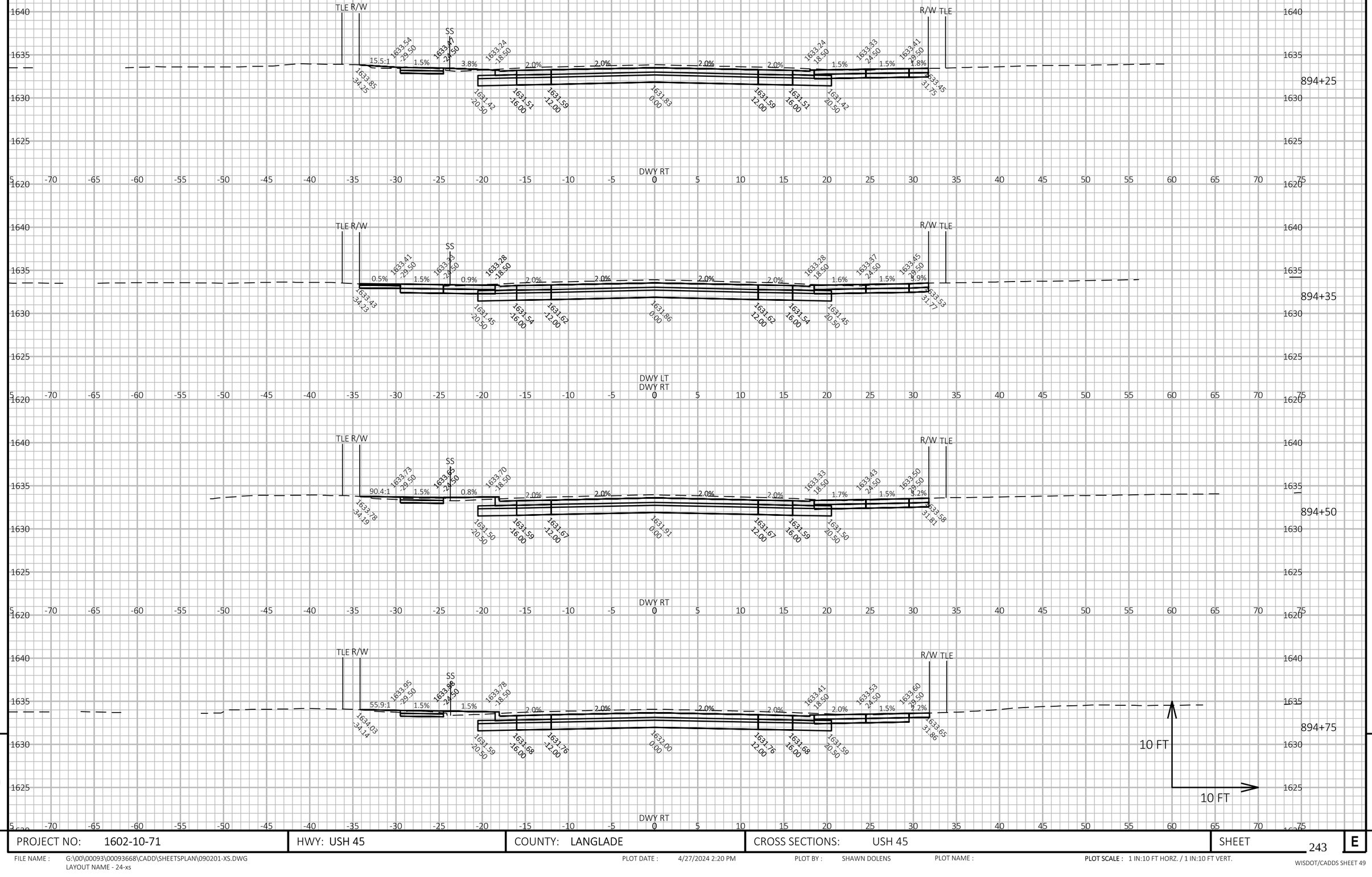
PLOT DATE : 4/27/2024 2:20 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 243	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 24-xs

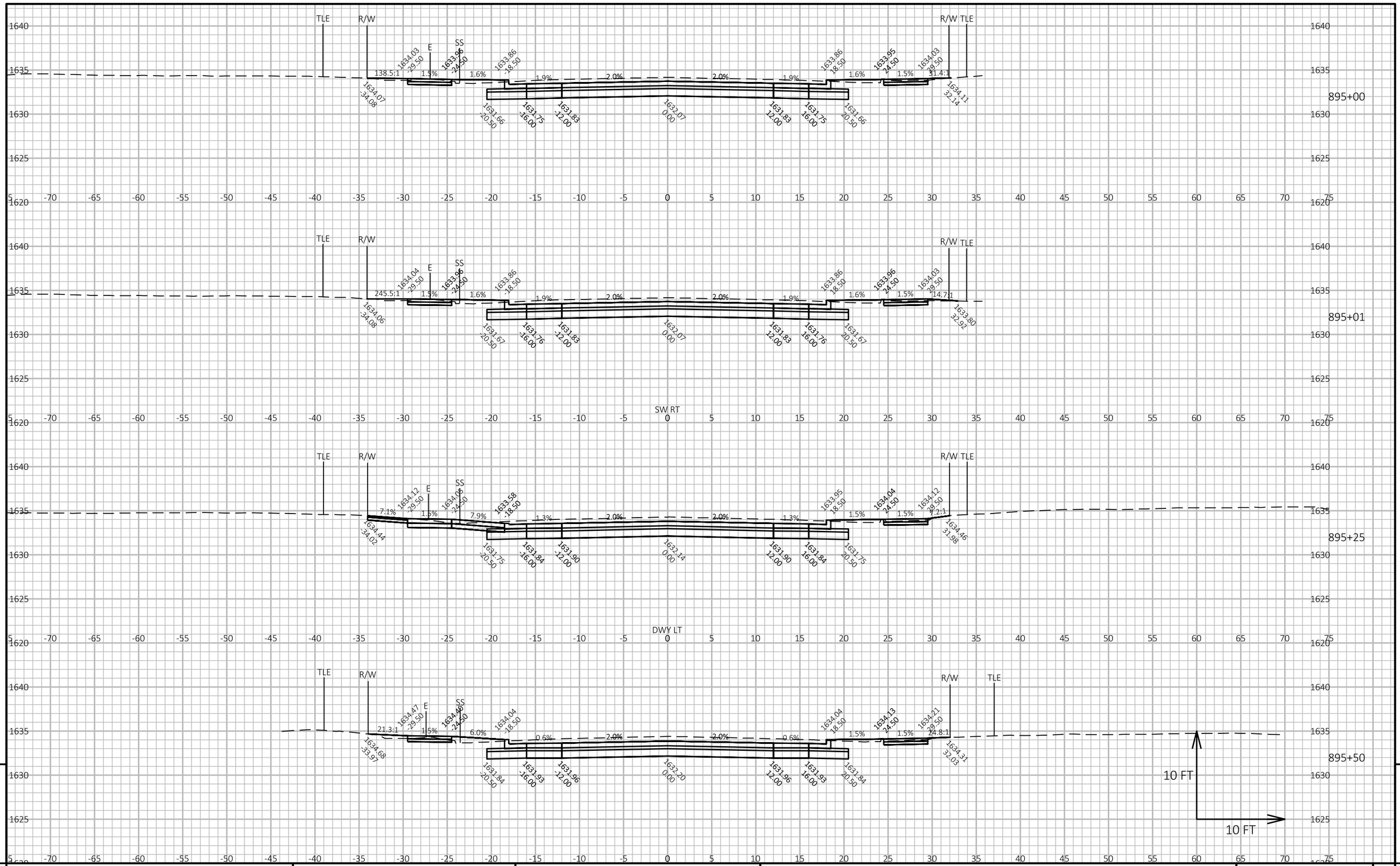
PLOT DATE : 4/27/2024 2:20 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 244	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 25-xs

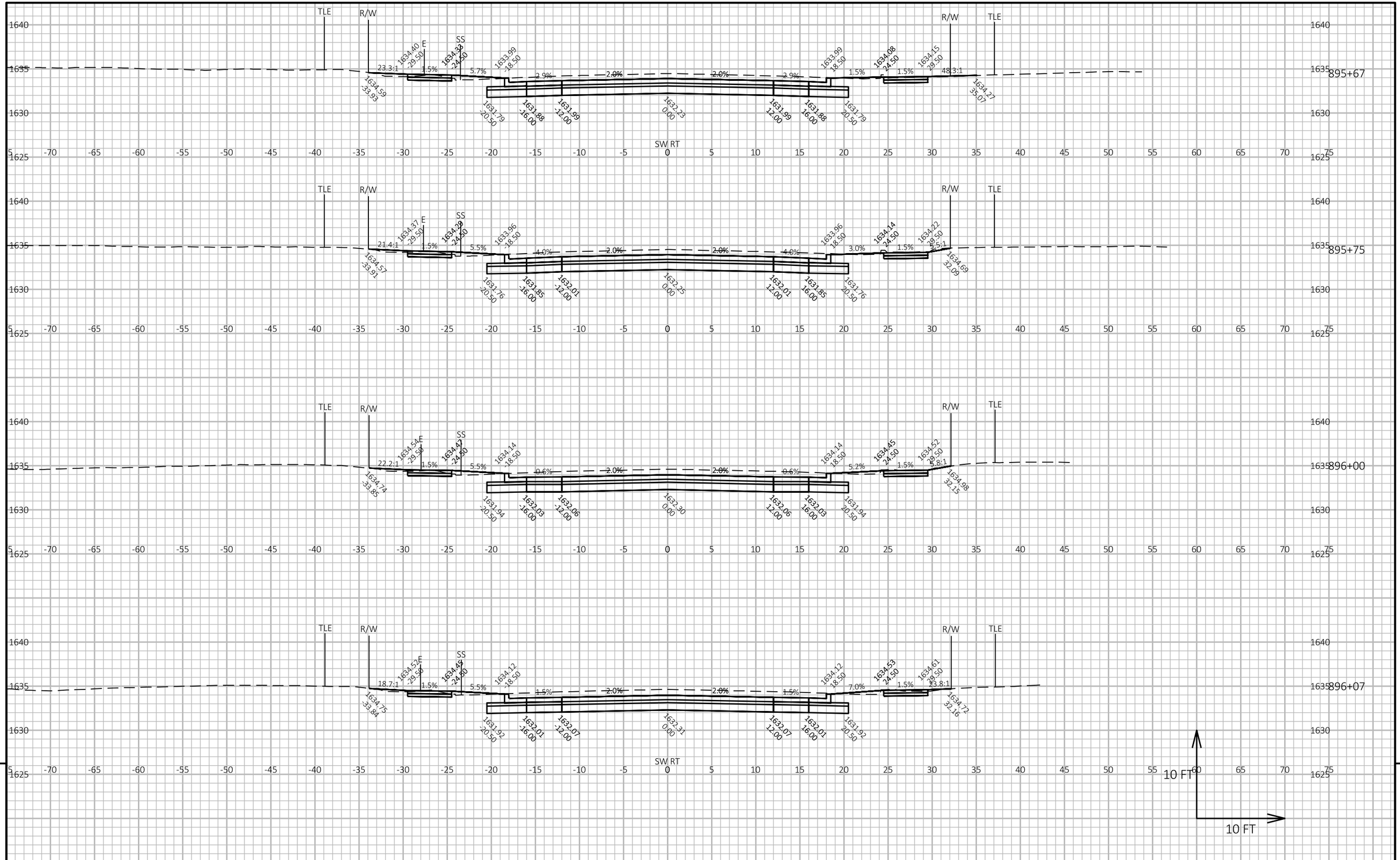
PLOT DATE : 4/27/2024 2:21 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 245	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 26-xs

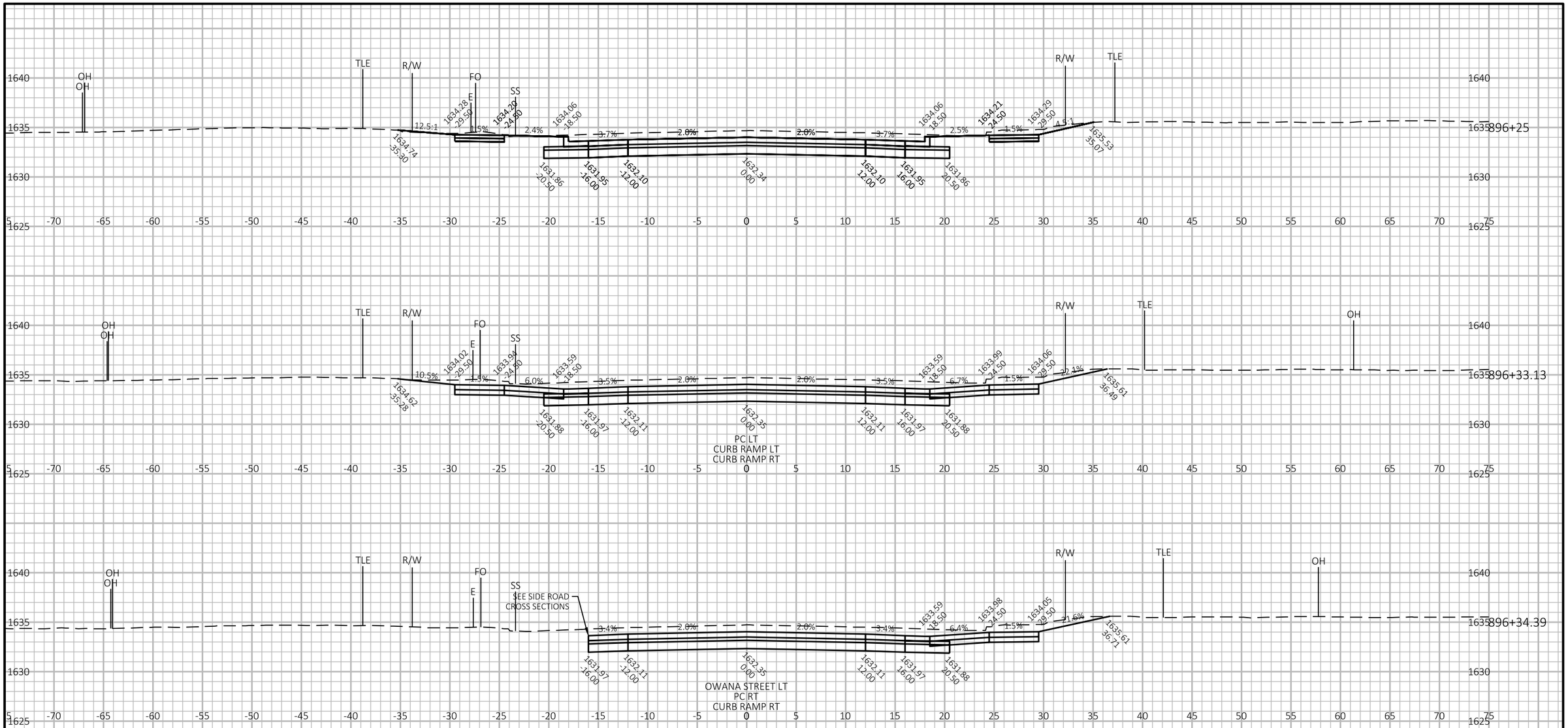
PLOT DATE : 4/27/2024 2:21 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 246	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 27-xs

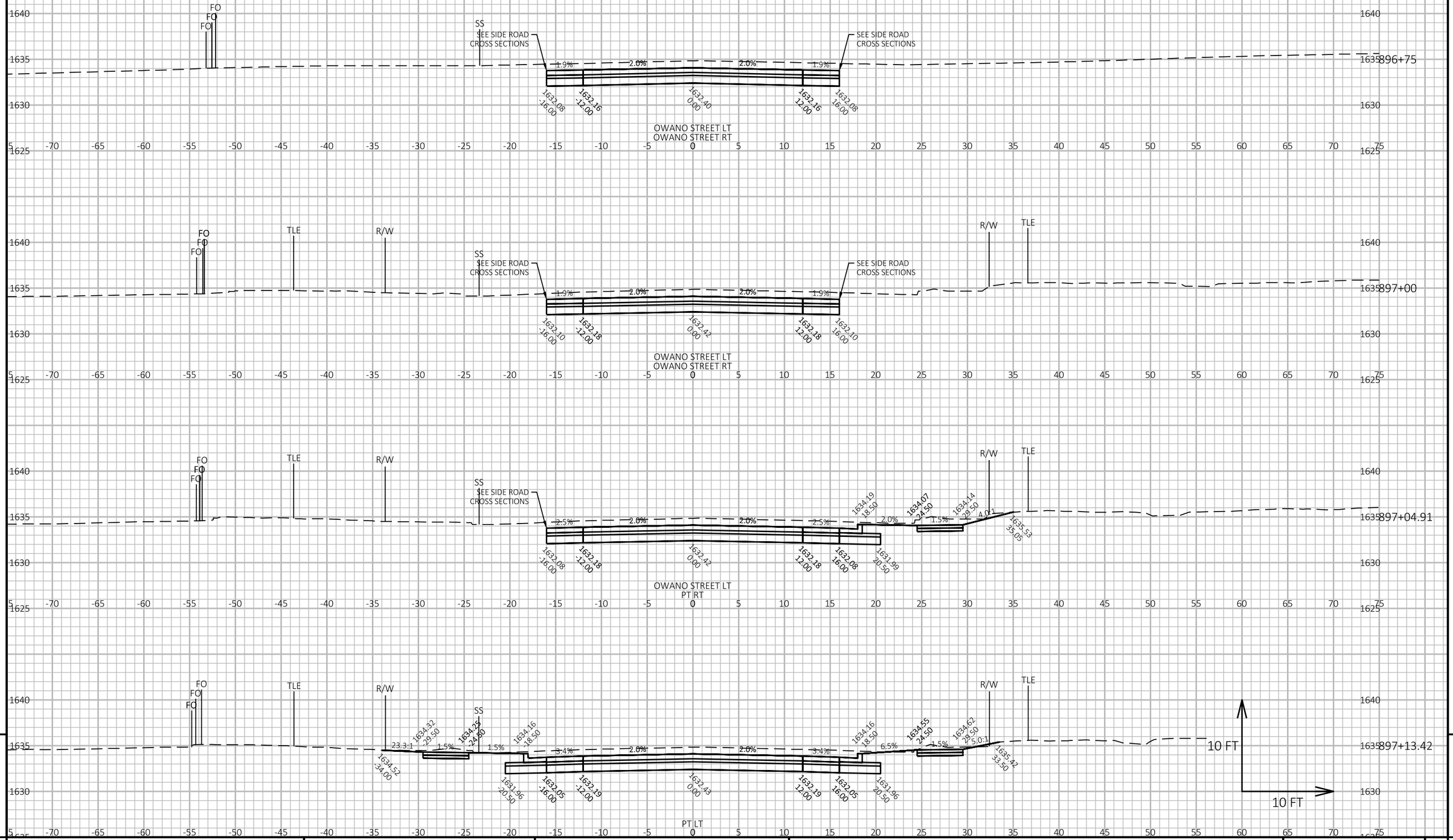
PLOT DATE : 4/27/2024 2:21 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 247	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 28-xs

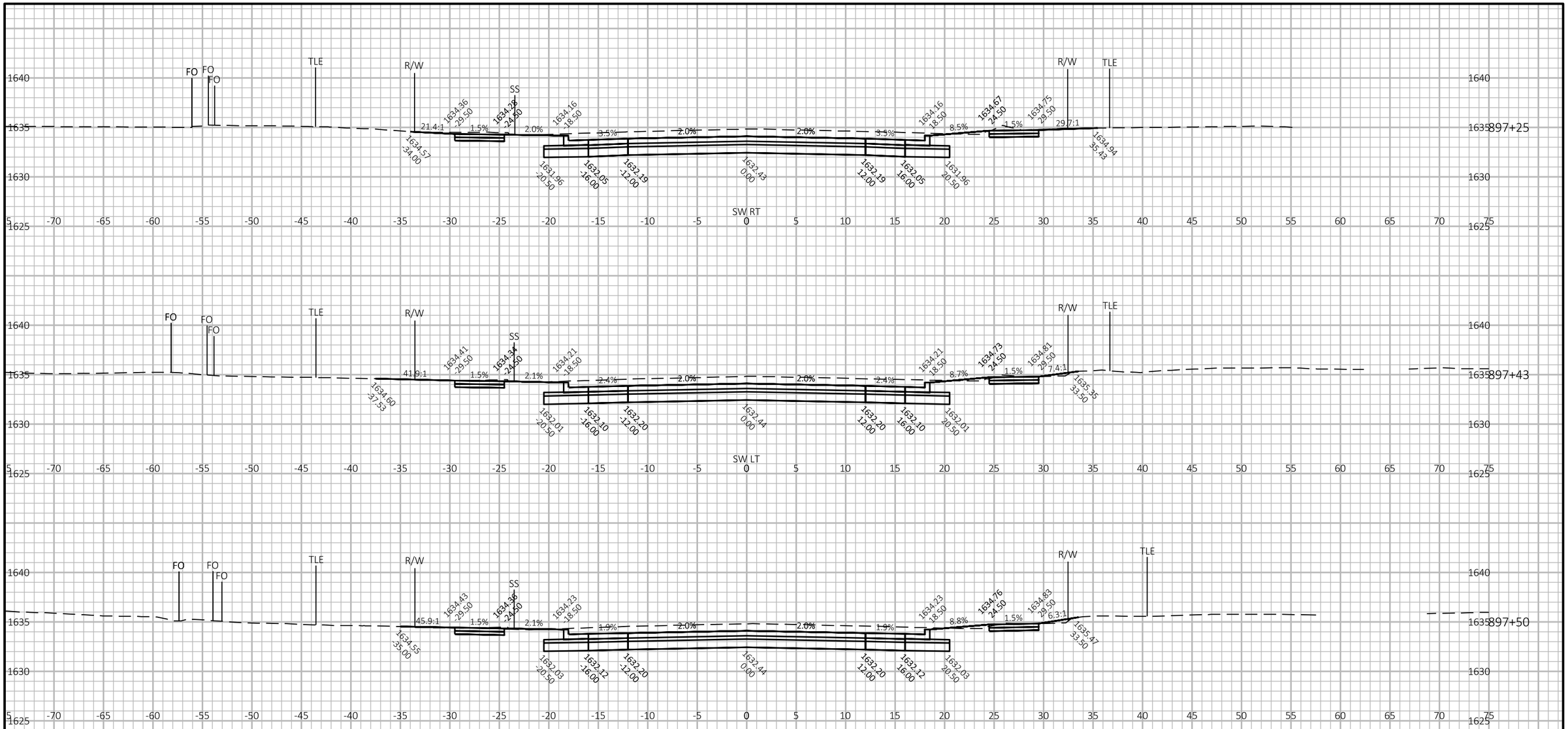
PLOT DATE : 4/27/2024 2:21 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 248	E

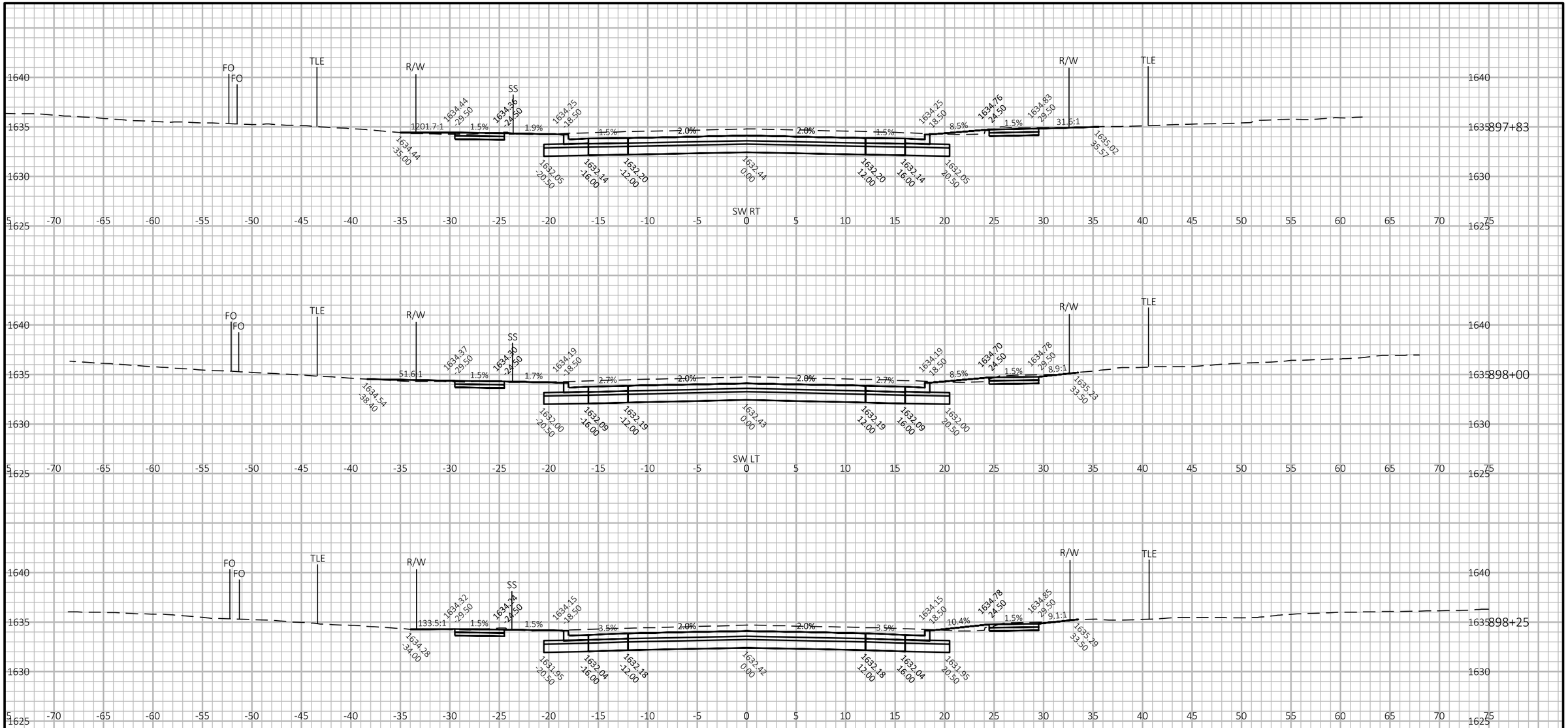
FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 29-xs

PLOT DATE : 4/27/2024 2:21 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 249	E

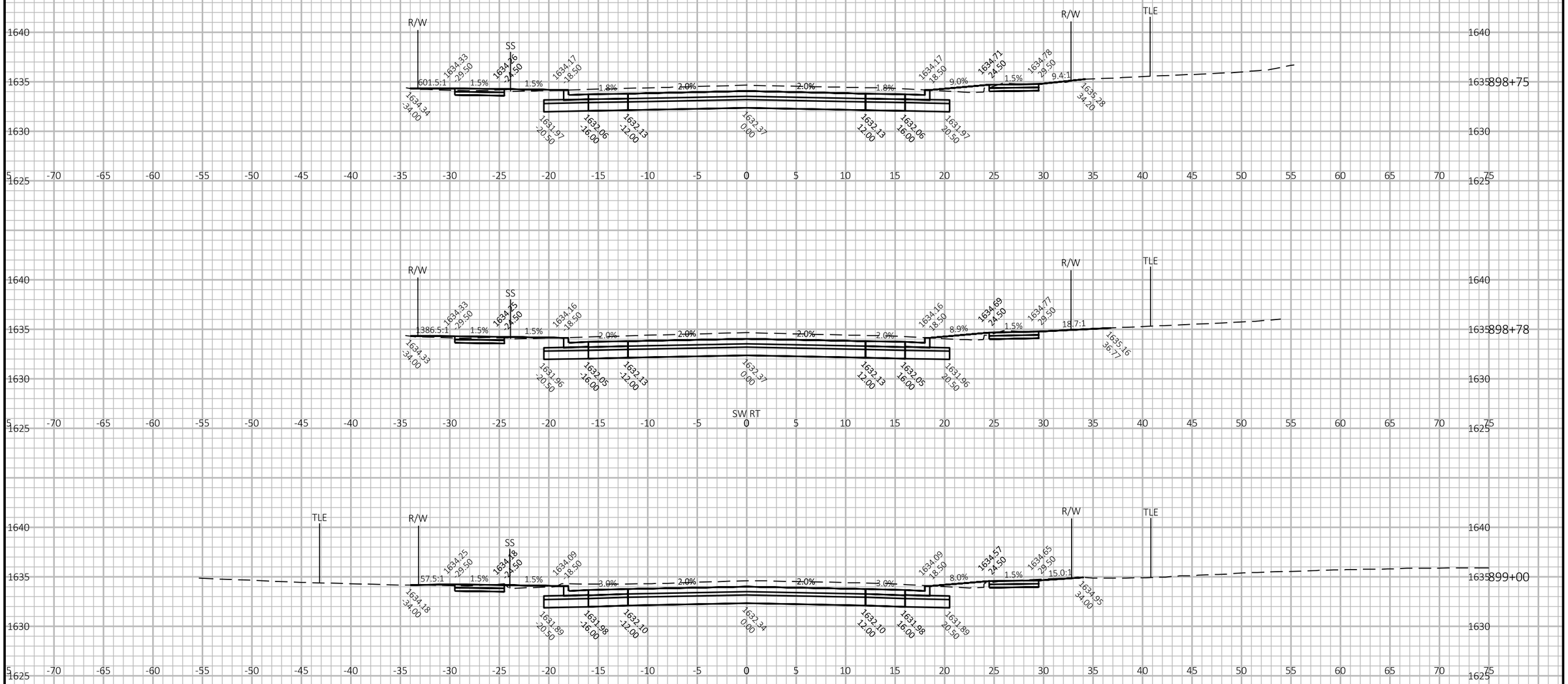
FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 30-xs

PLOT DATE : 4/27/2024 2:22 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 250	E

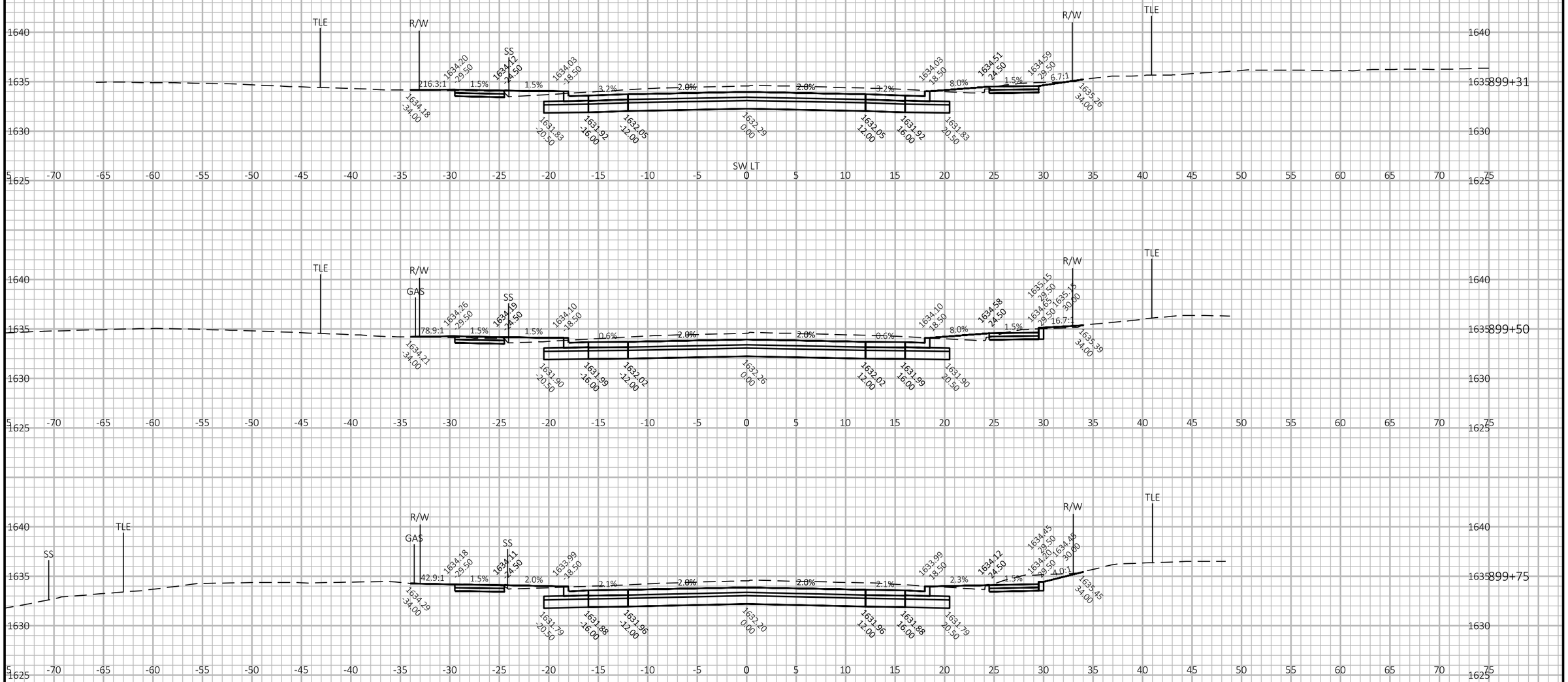
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LAYOUT NAME - 31-xs

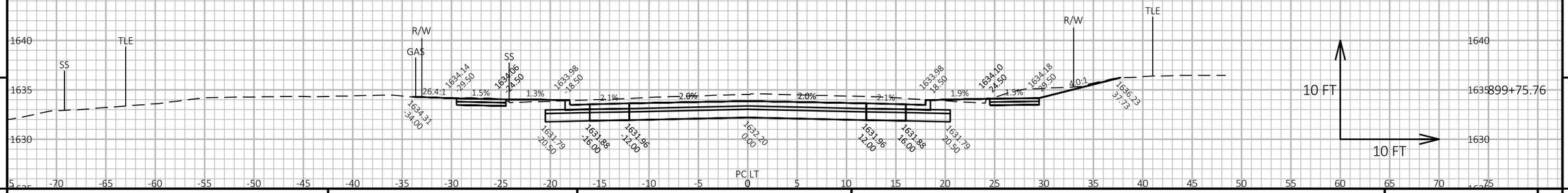
PLOT DATE : 4/27/2024 2:22 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.





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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 251	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 32-xs

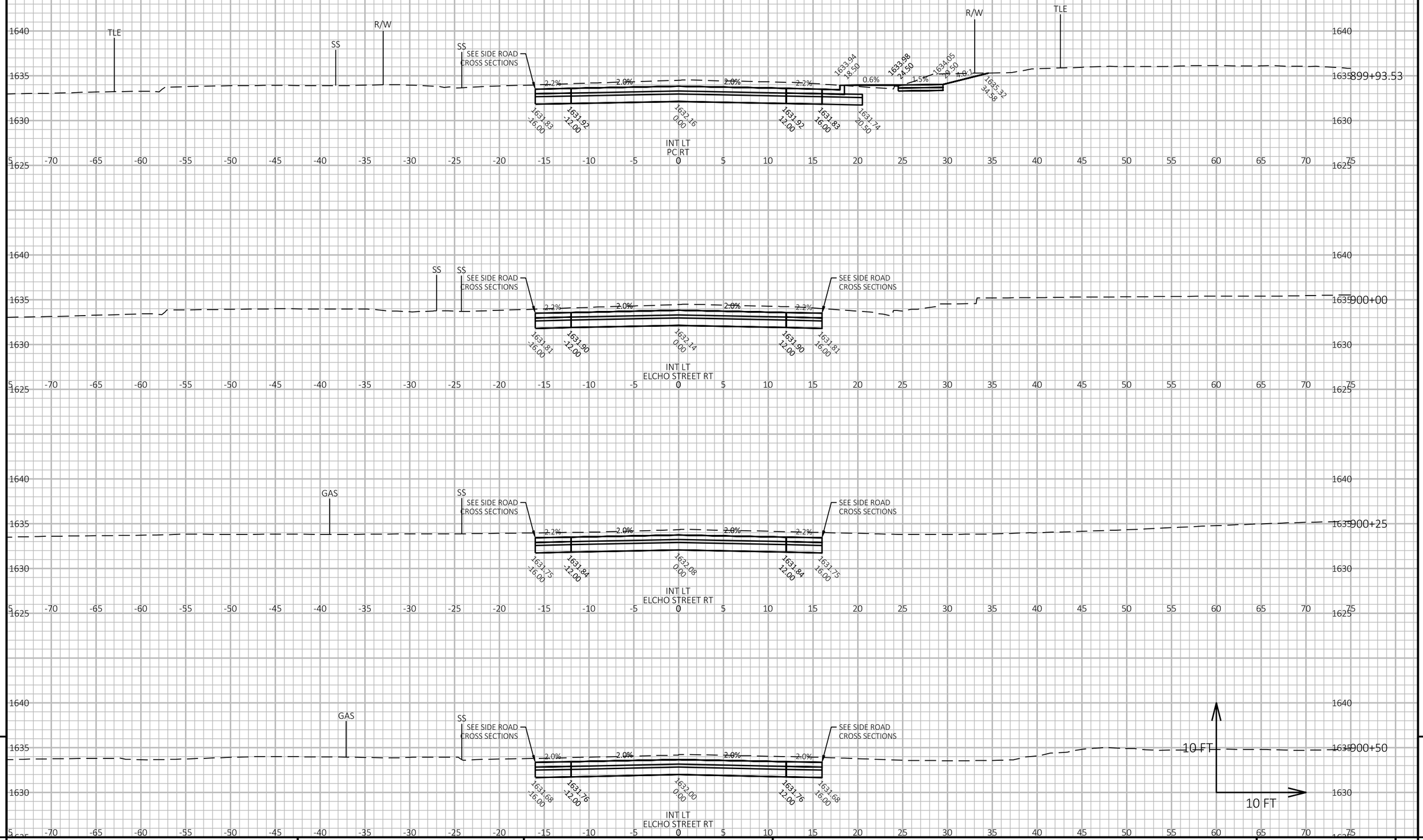
PLOT DATE : 4/27/2024 2:22 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 252	E

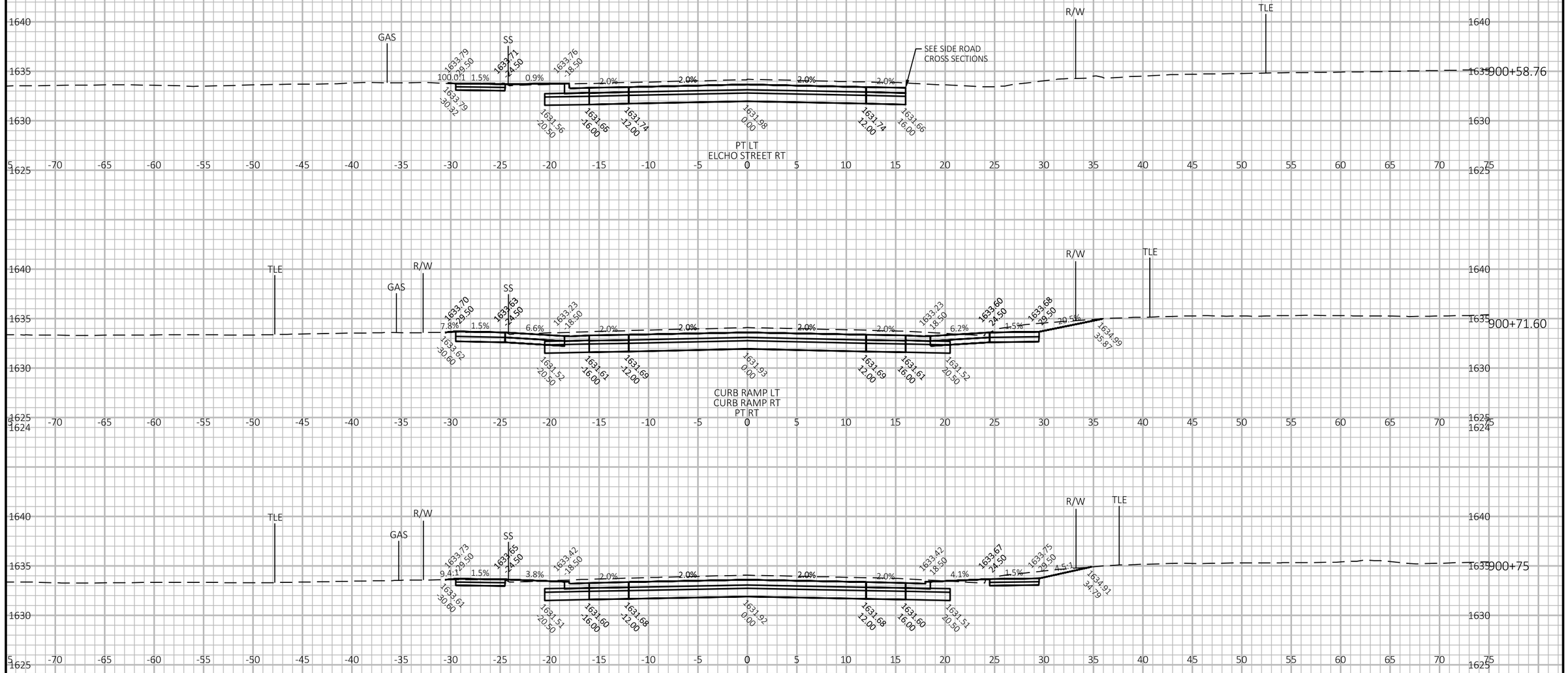
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LAYOUT NAME - 33-xs

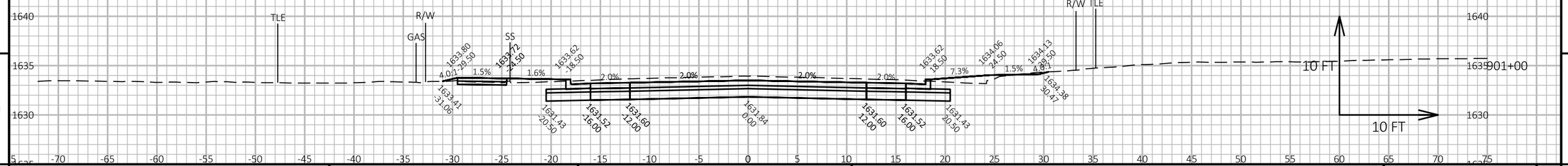
PLOT DATE : 4/27/2024 2:22 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.





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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 253	E

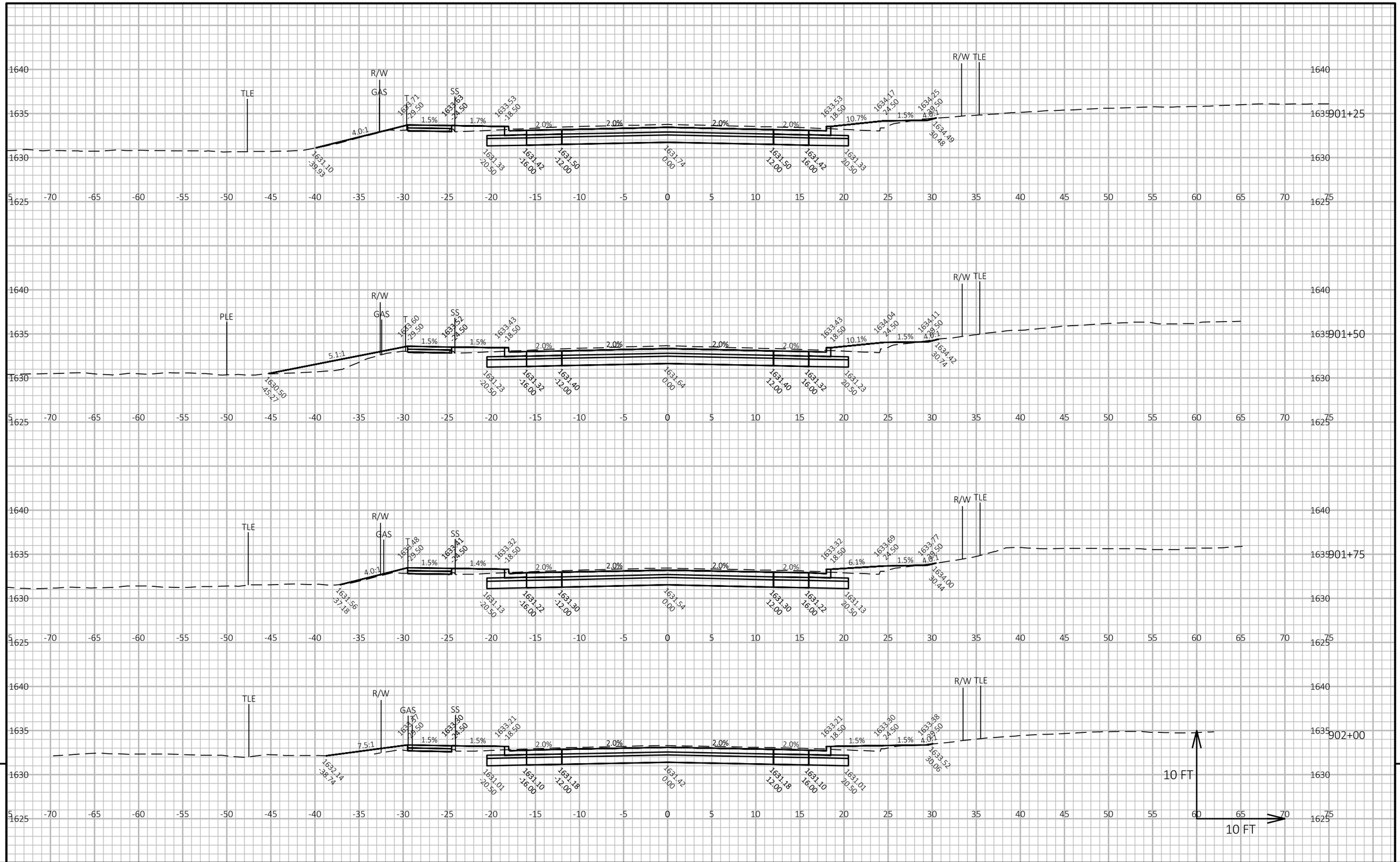
FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 34-xs

PLOT DATE : 5/1/2024 10:31 AM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 254	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 35-xs

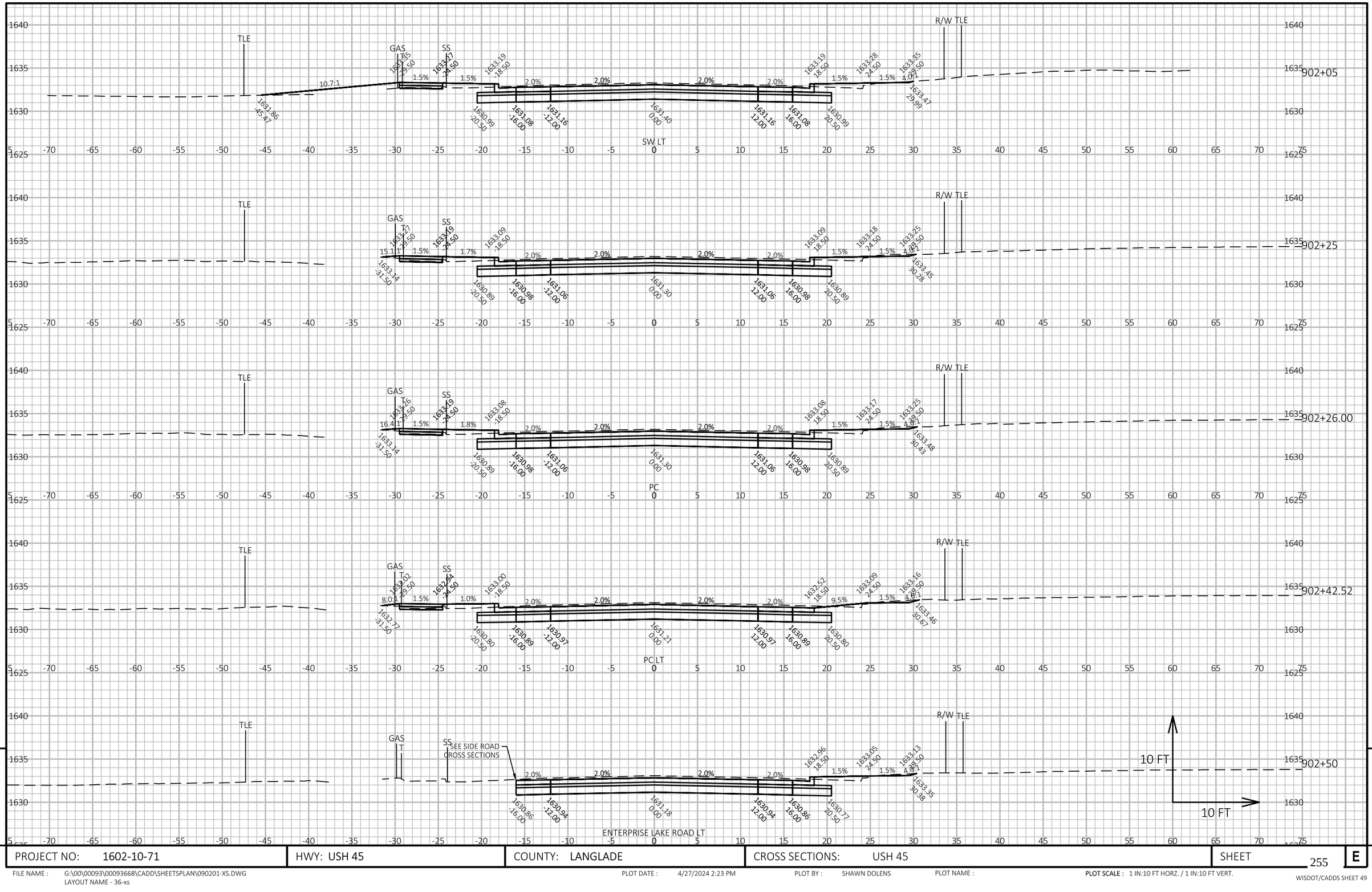
PLOT DATE : 4/27/2024 2:23 PM

PLOT BY : SHAWN DOLENS

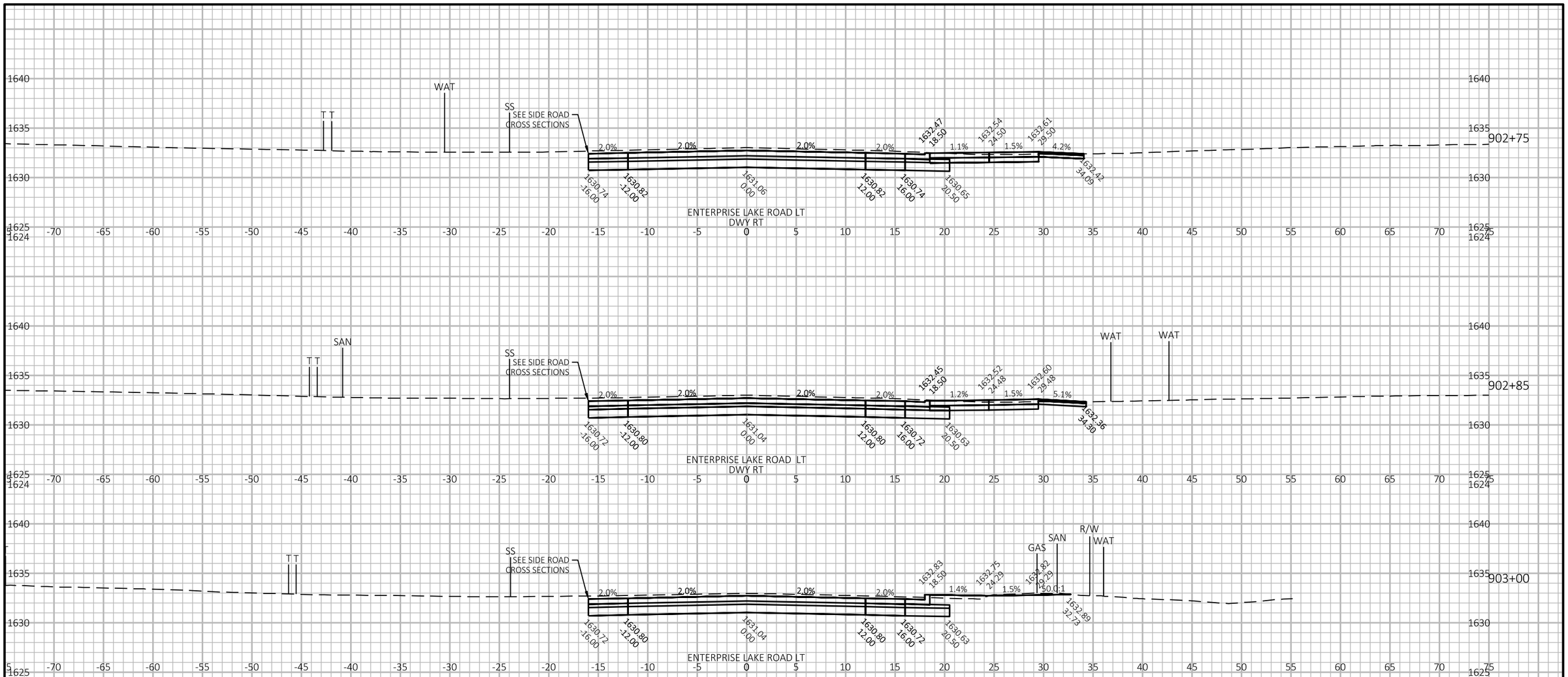
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 255 E



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 256	E

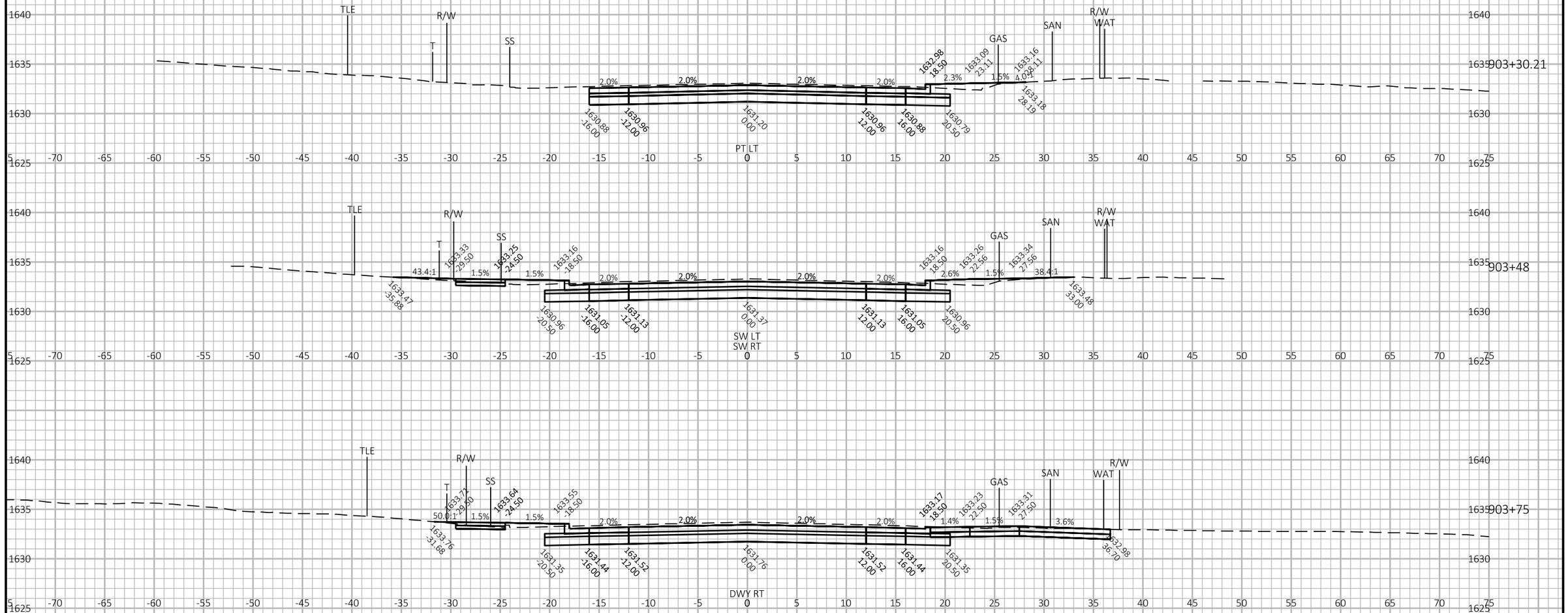
FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 37-xs

PLOT DATE : 4/27/2024 2:23 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 257	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 38-xs

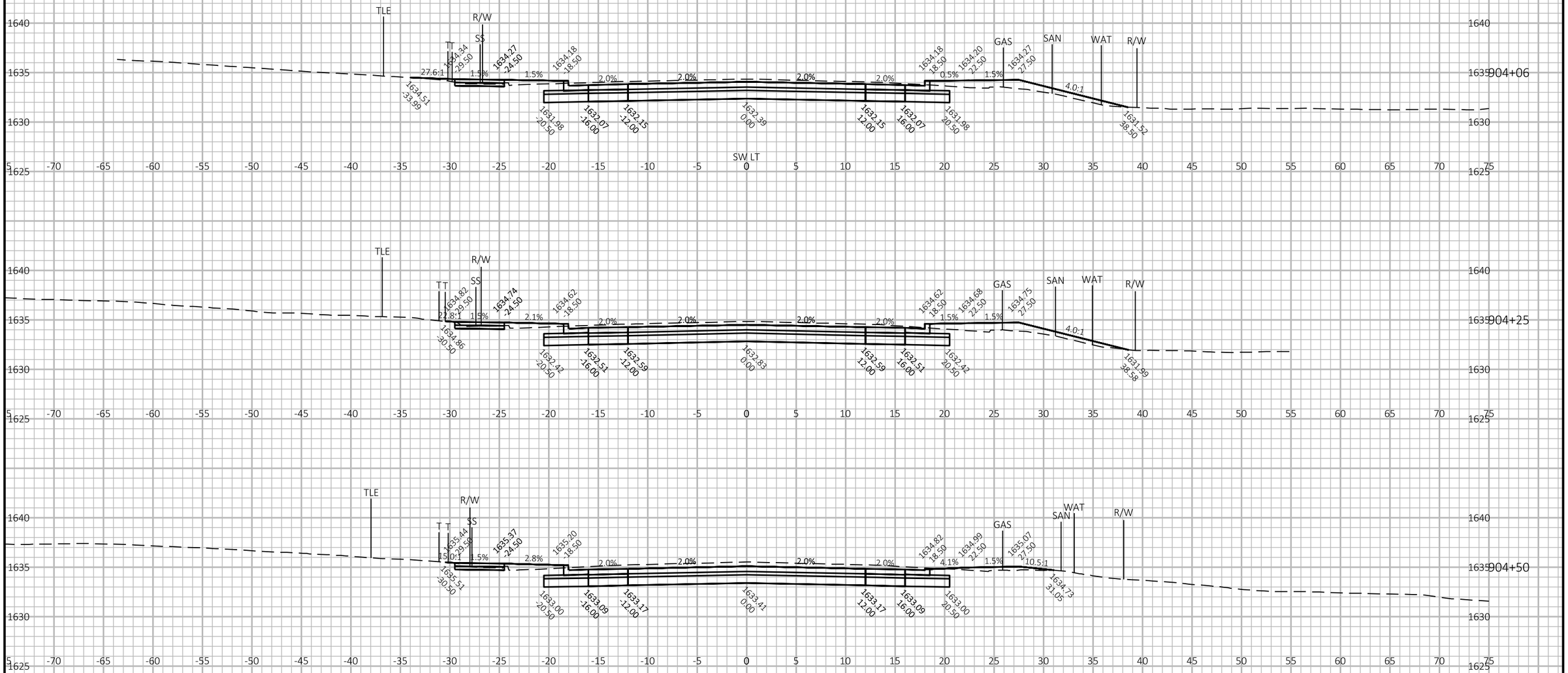
PLOT DATE : 4/27/2024 2:23 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 258	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 39-xs

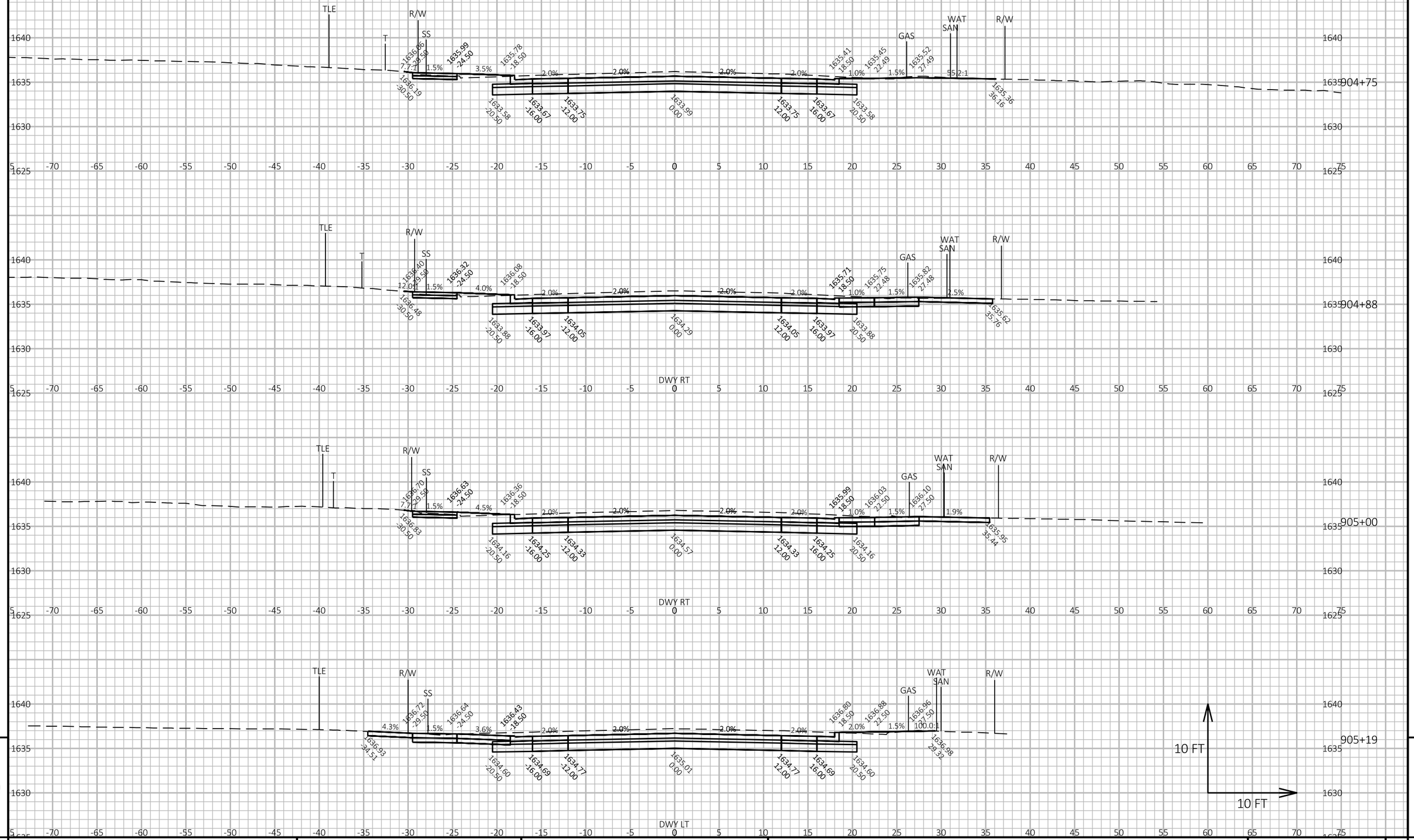
PLOT DATE : 4/27/2024 2:24 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 259	E

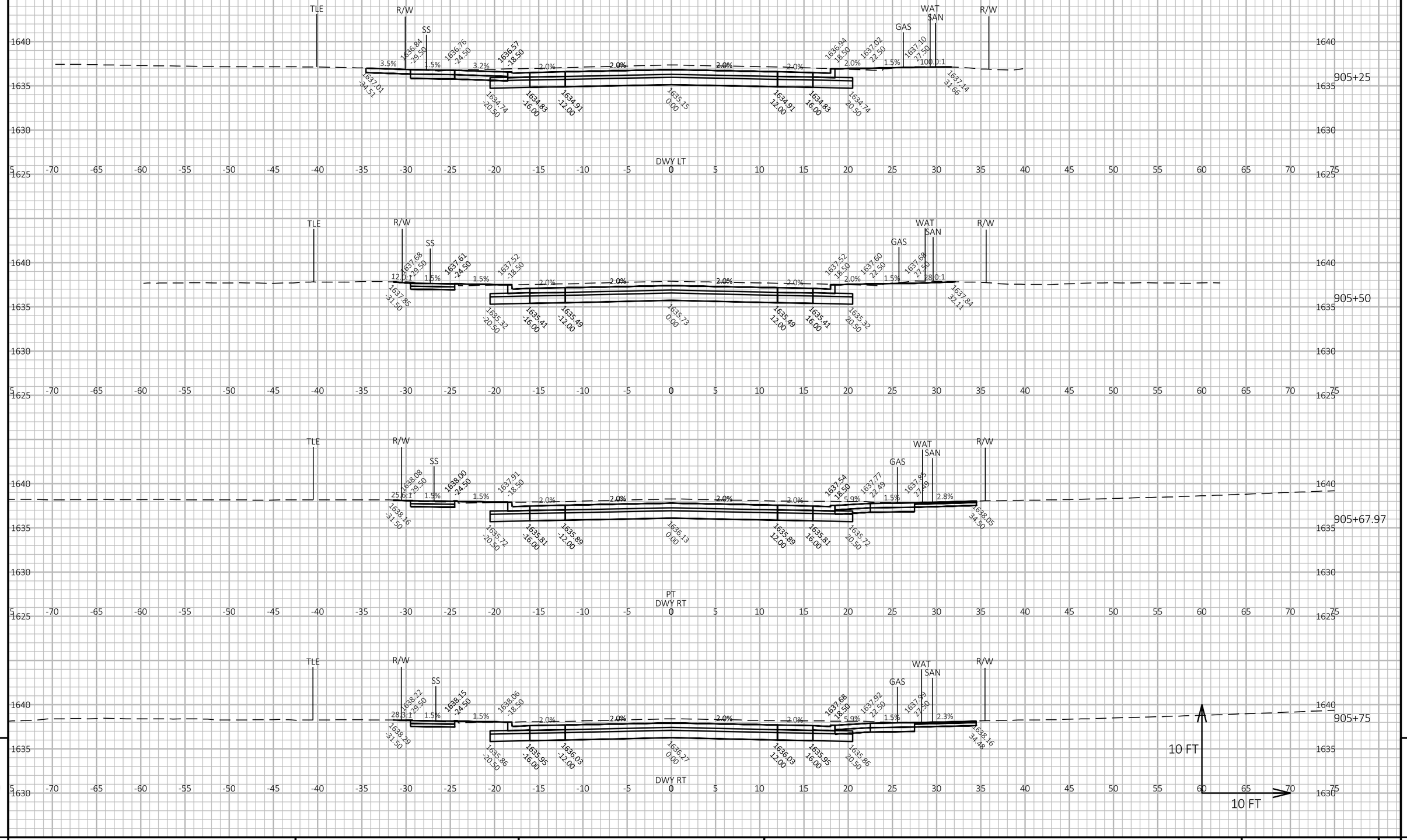
FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 40-xs

PLOT DATE : 4/27/2024 2:24 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 260	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 41-xs

PLOT DATE : 4/27/2024 2:24 PM

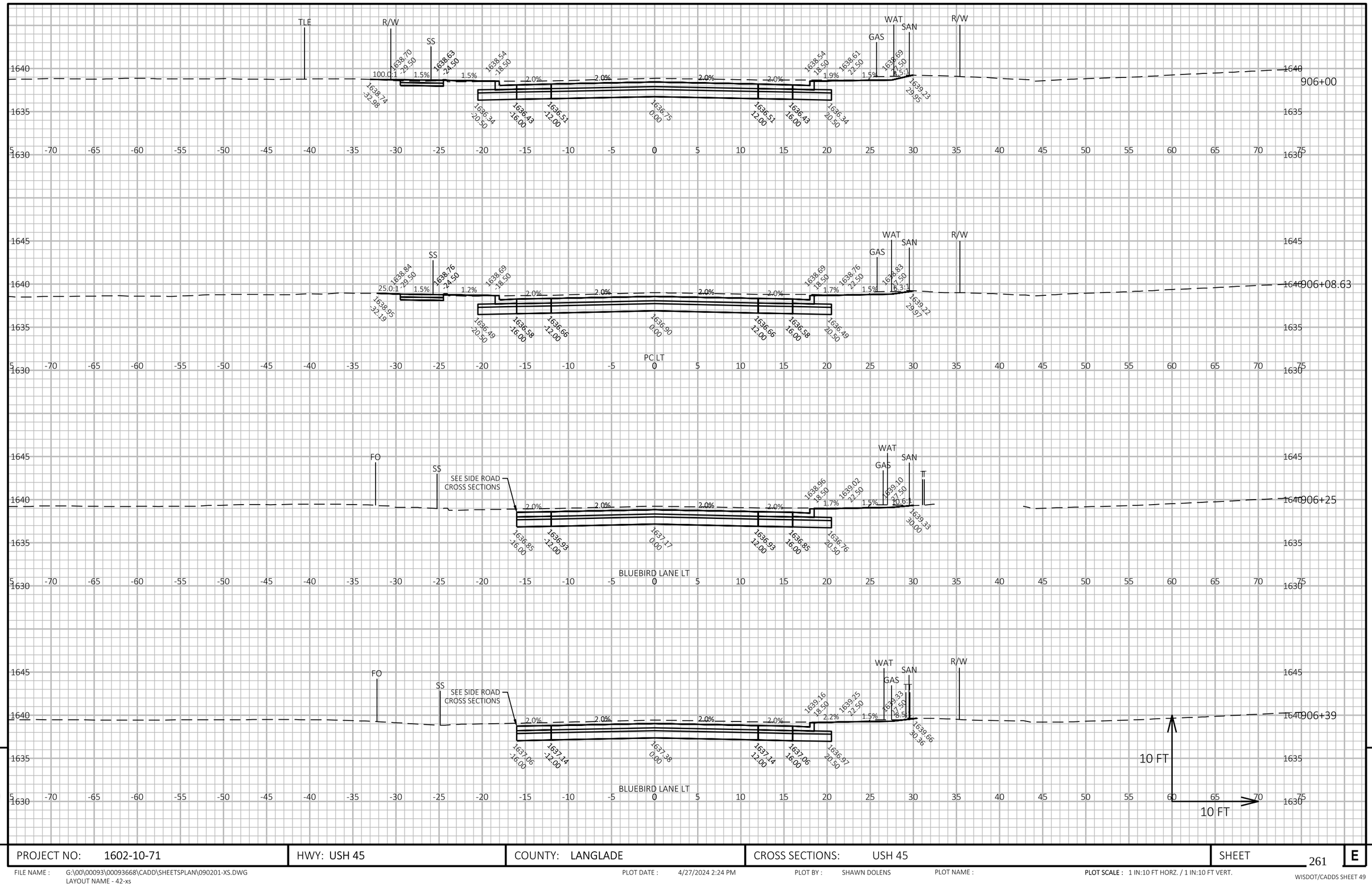
PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 261	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 42-xs

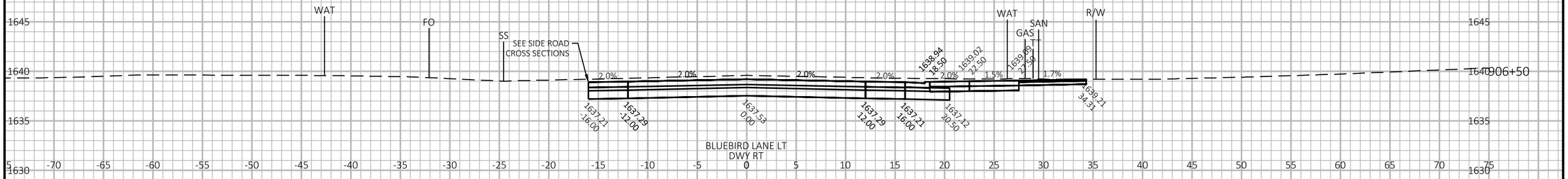
PLOT DATE : 4/27/2024 2:24 PM

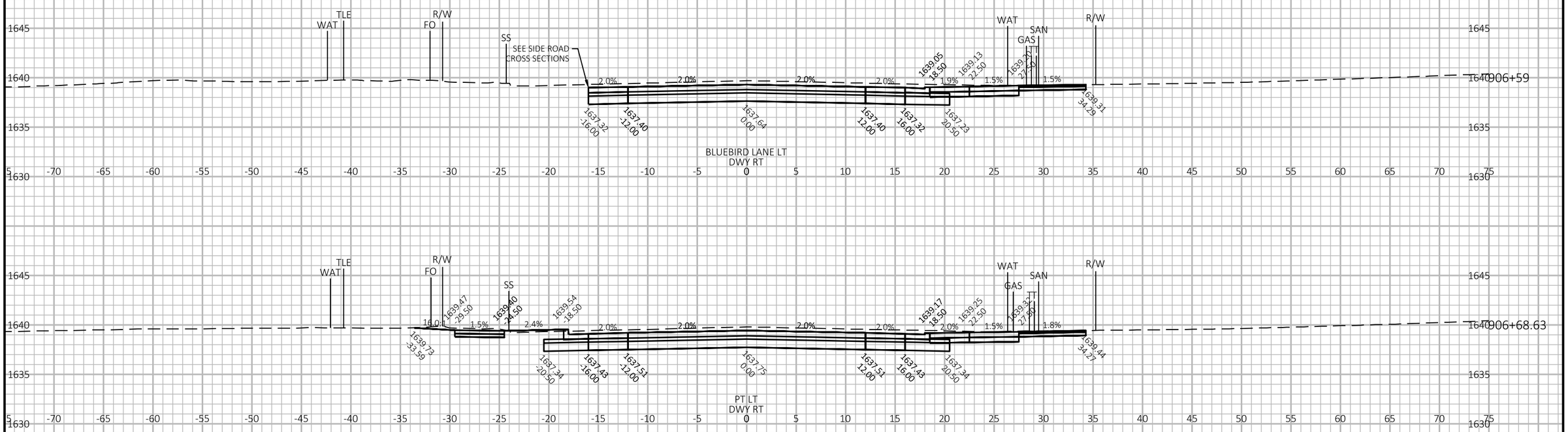
PLOT BY : SHAWN DOLENS

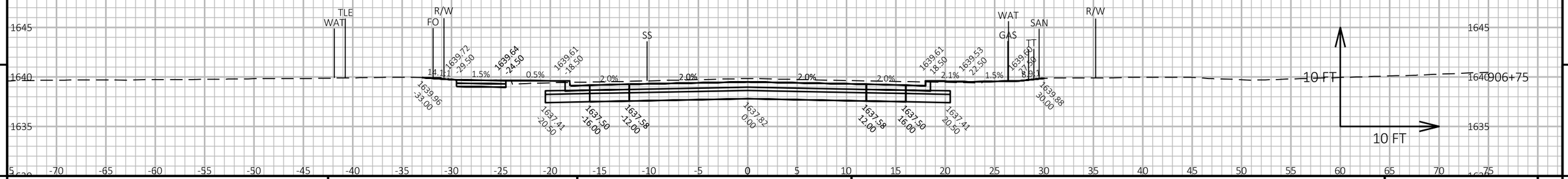
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 262	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 43-xs

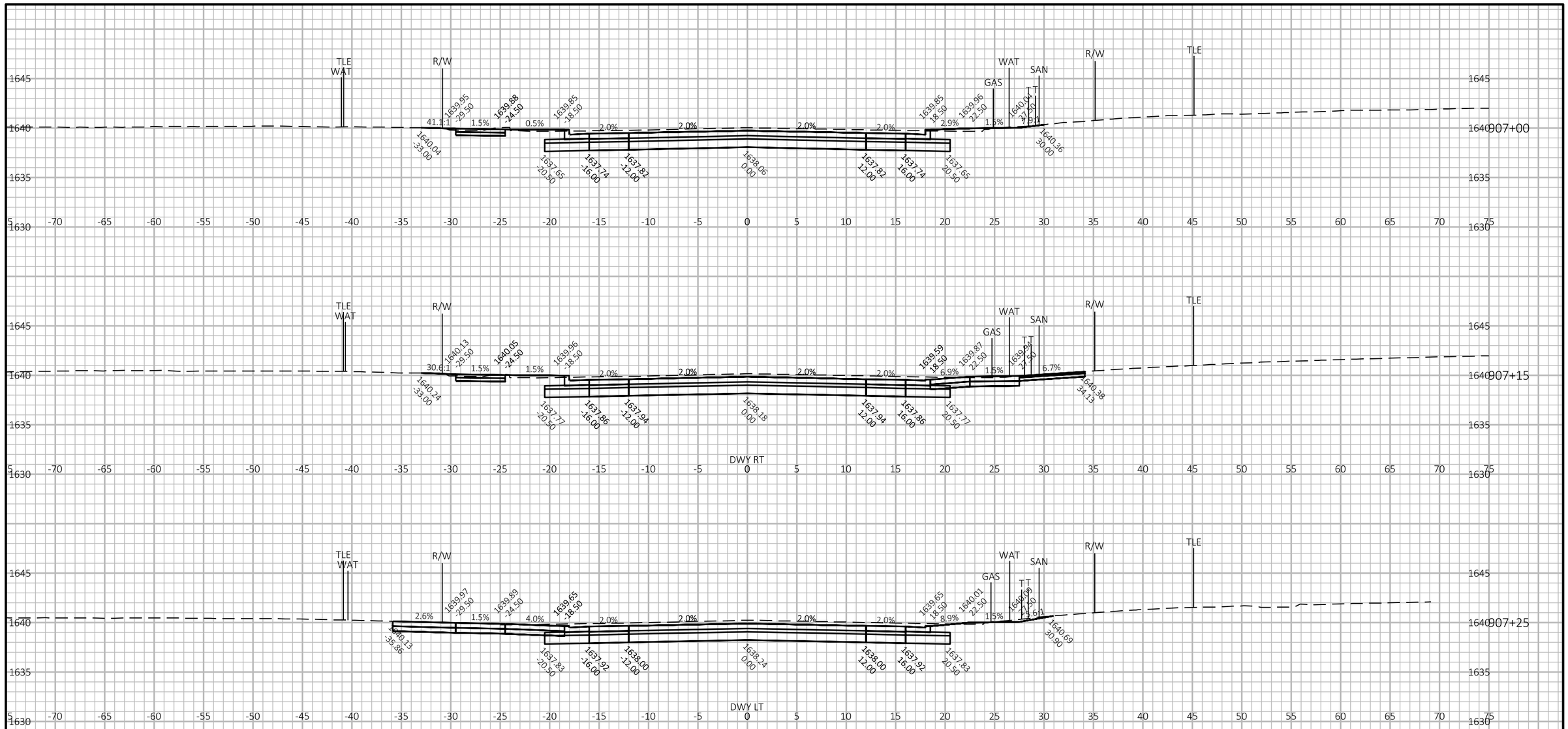
PLOT DATE : 4/27/2024 2:24 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 263	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 44-xs

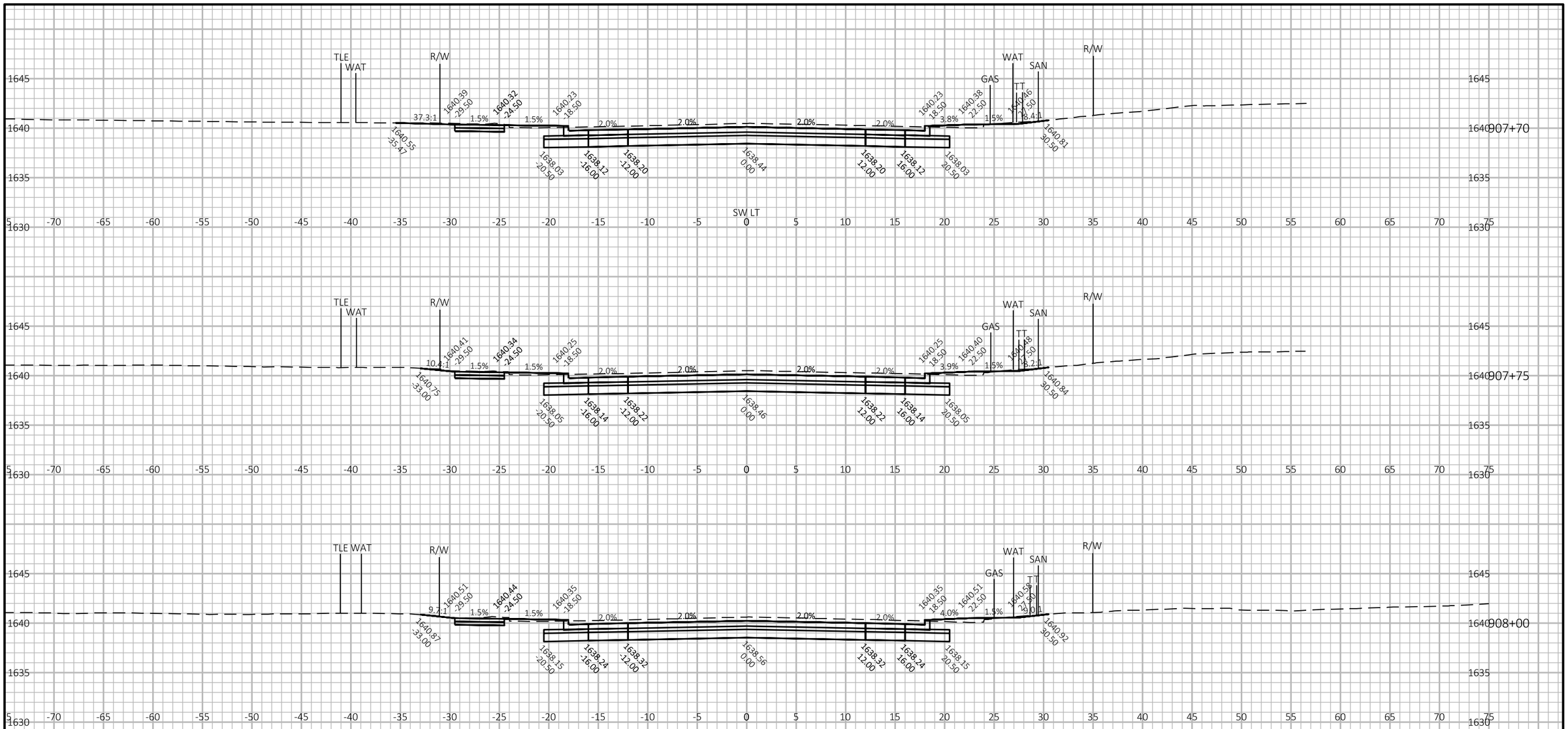
PLOT DATE : 4/27/2024 2:24 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 264	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 45-xs

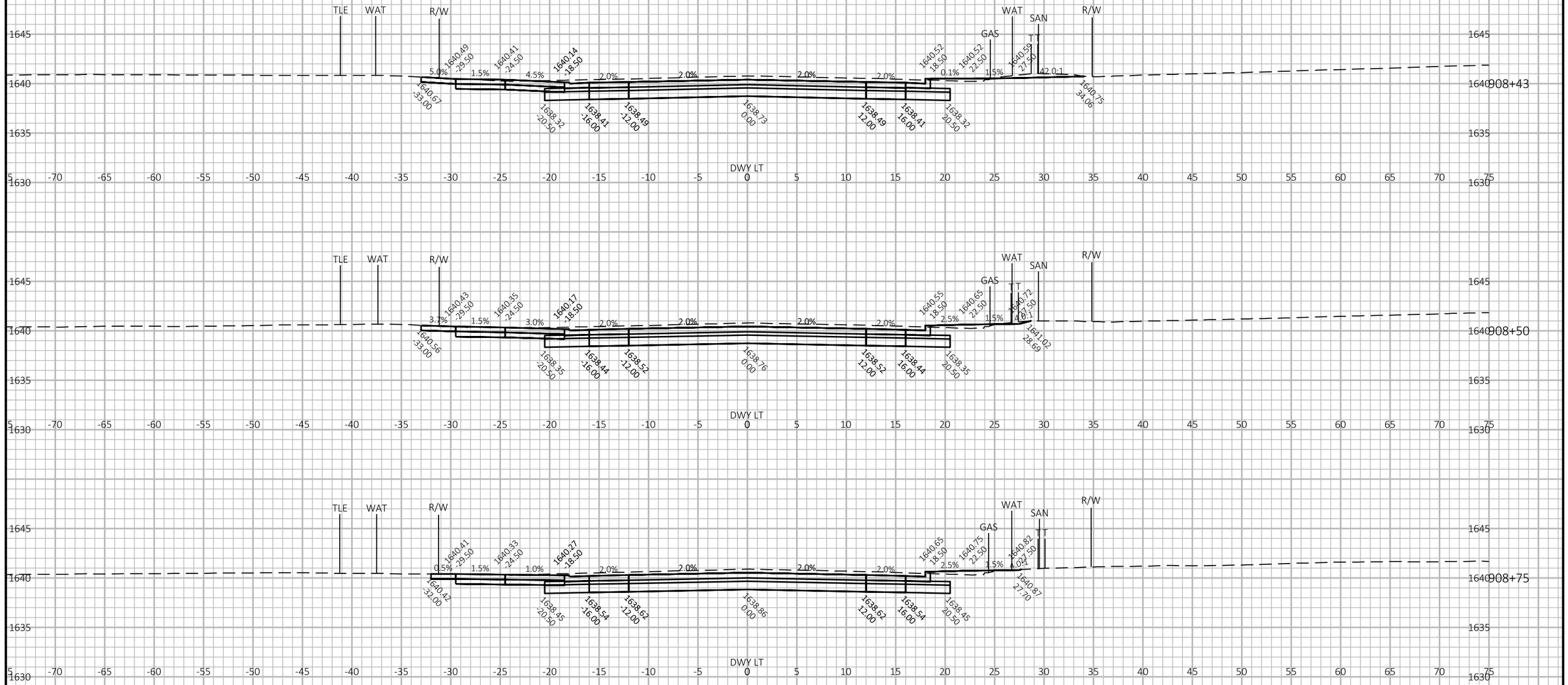
PLOT DATE : 4/27/2024 2:25 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 265	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 46-xs

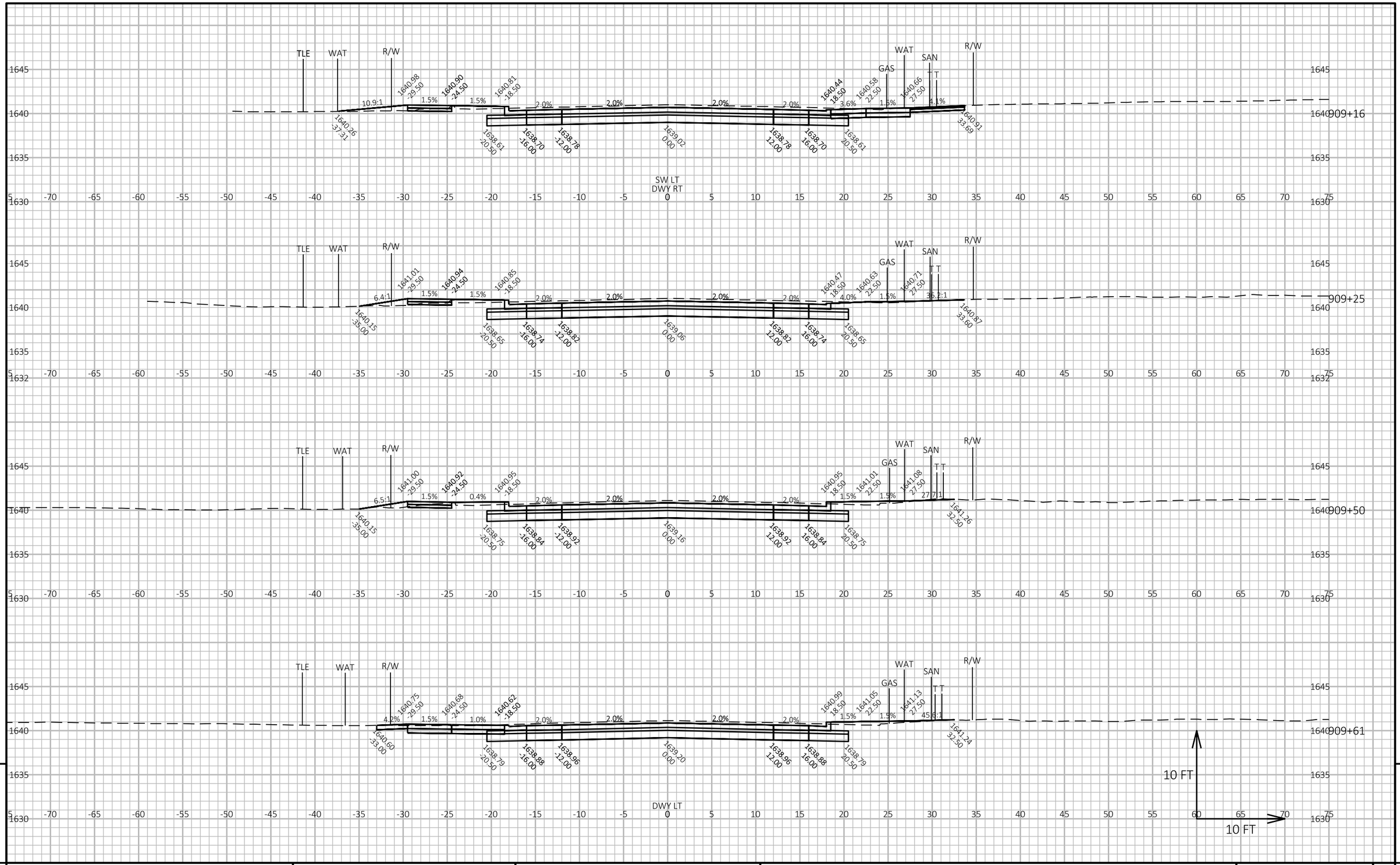
PLOT DATE : 4/27/2024 2:25 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 266	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 47-xs

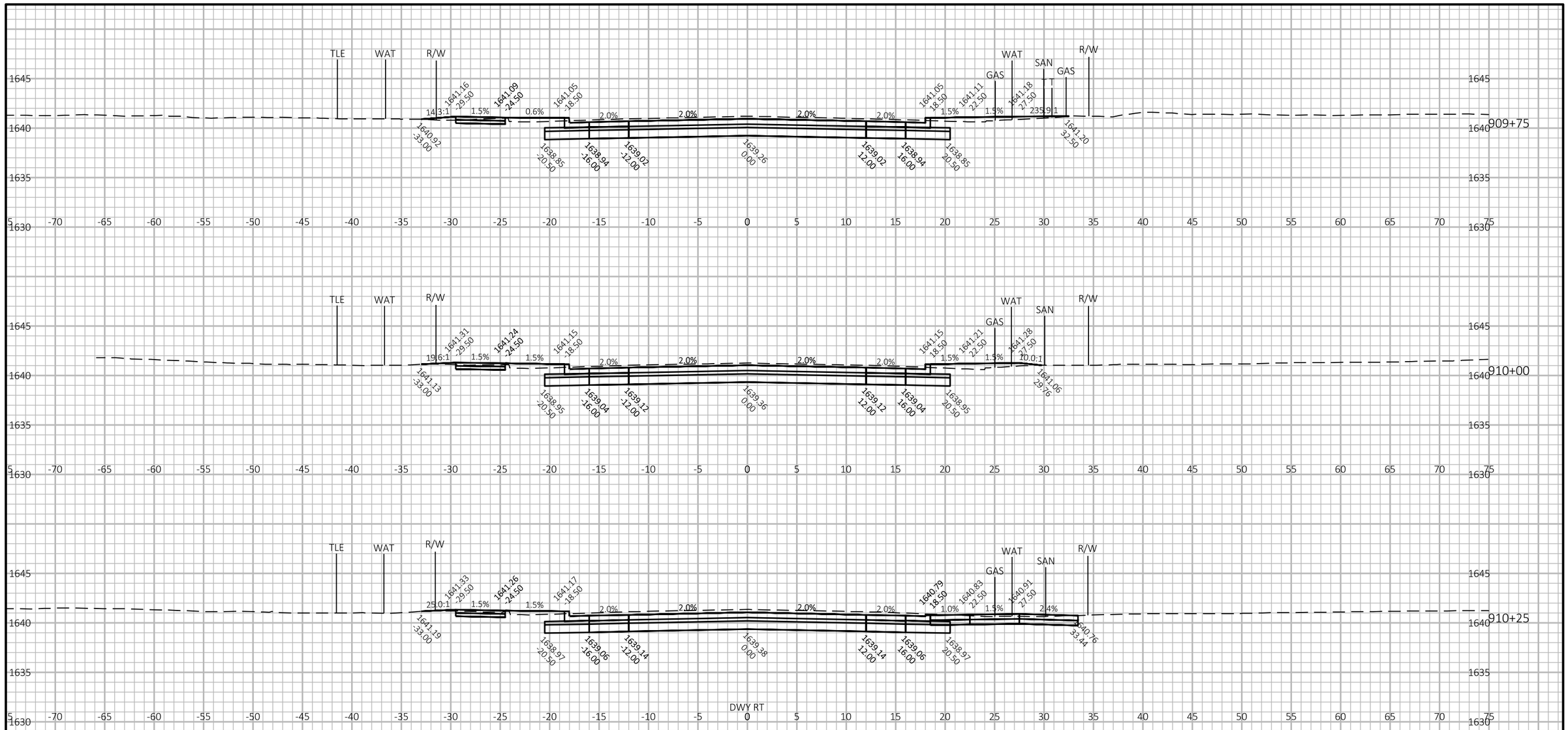
PLOT DATE : 4/27/2024 2:25 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 267	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 48-xs

PLOT DATE : 4/27/2024 2:25 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 268	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 49-xs

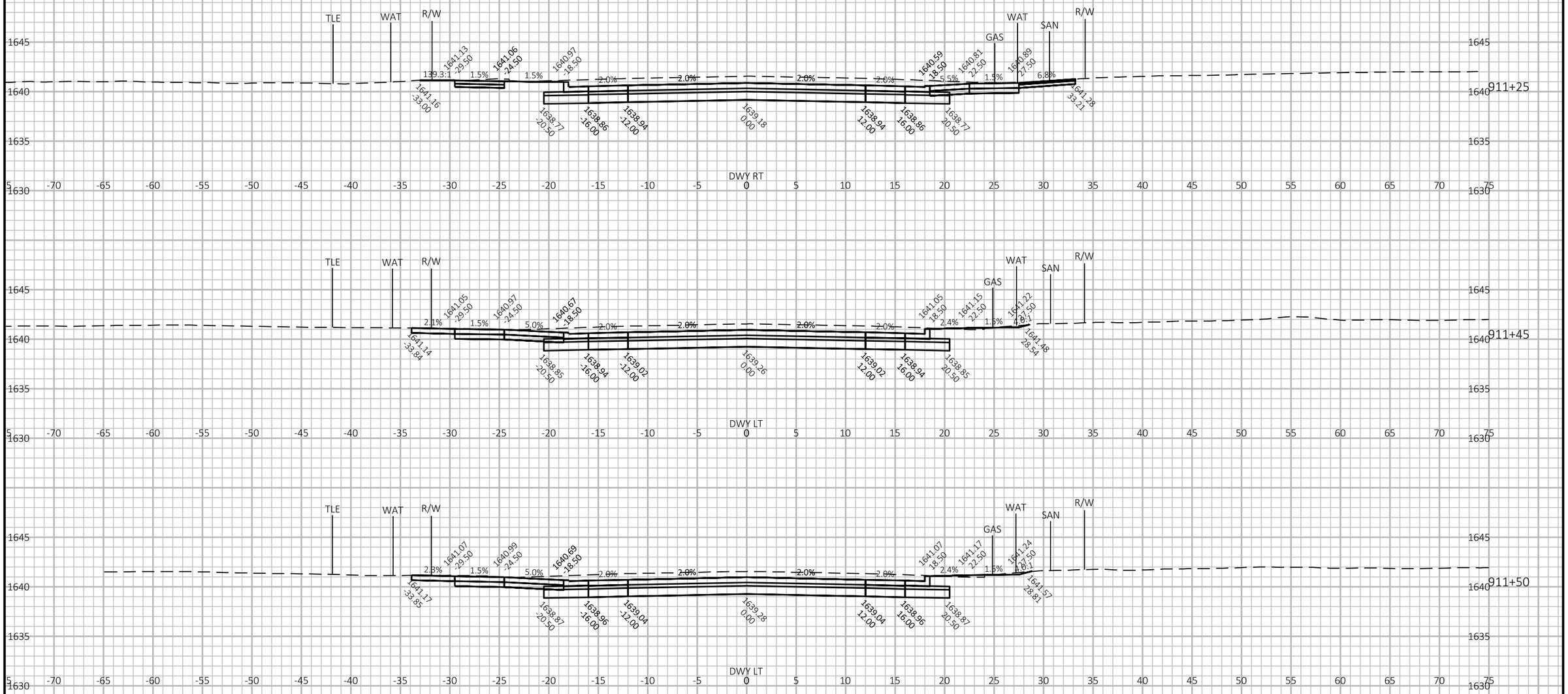
PLOT DATE : 4/27/2024 2:25 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 269	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 50-xs

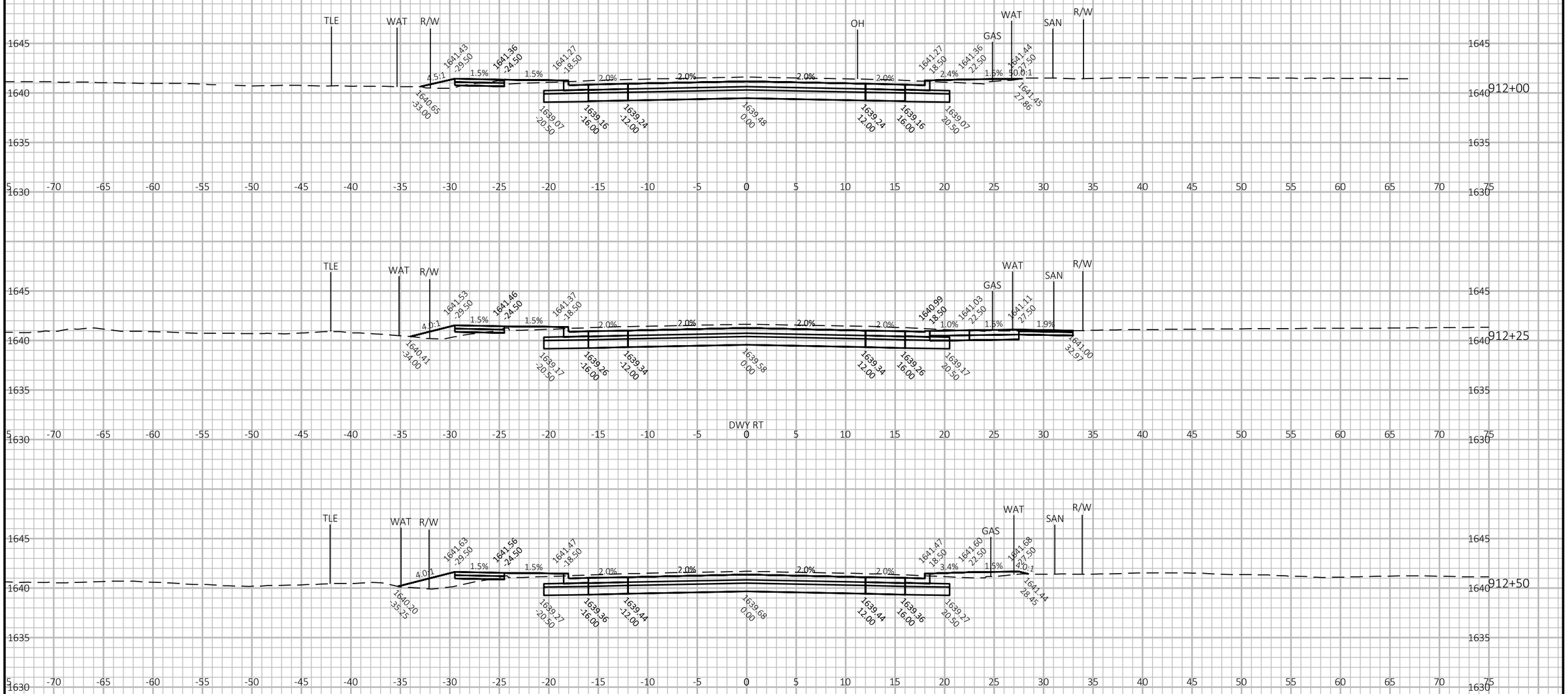
PLOT DATE : 4/27/2024 2:25 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 270	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 51-xs

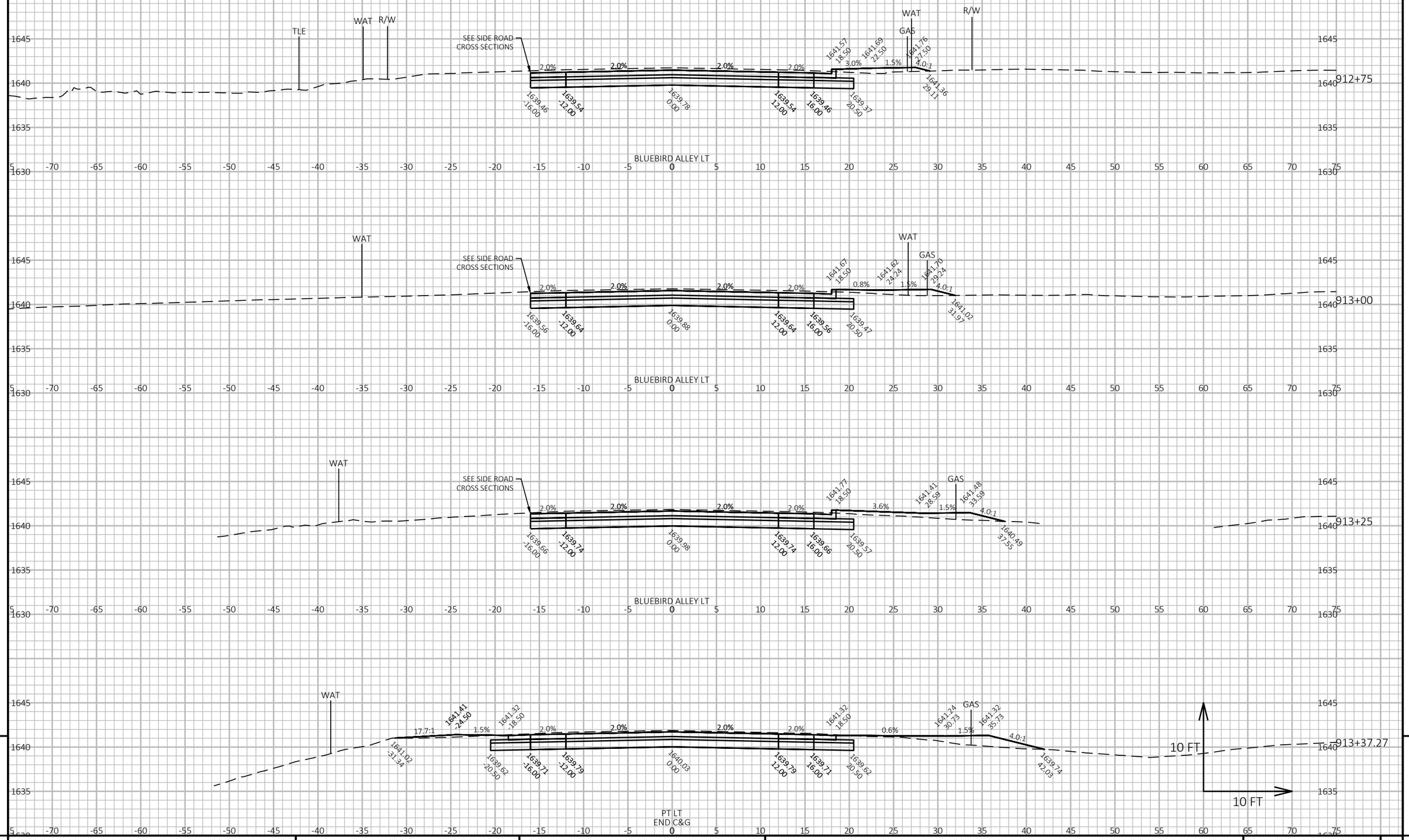
PLOT DATE : 4/27/2024 2:26 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 271	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 52-xs

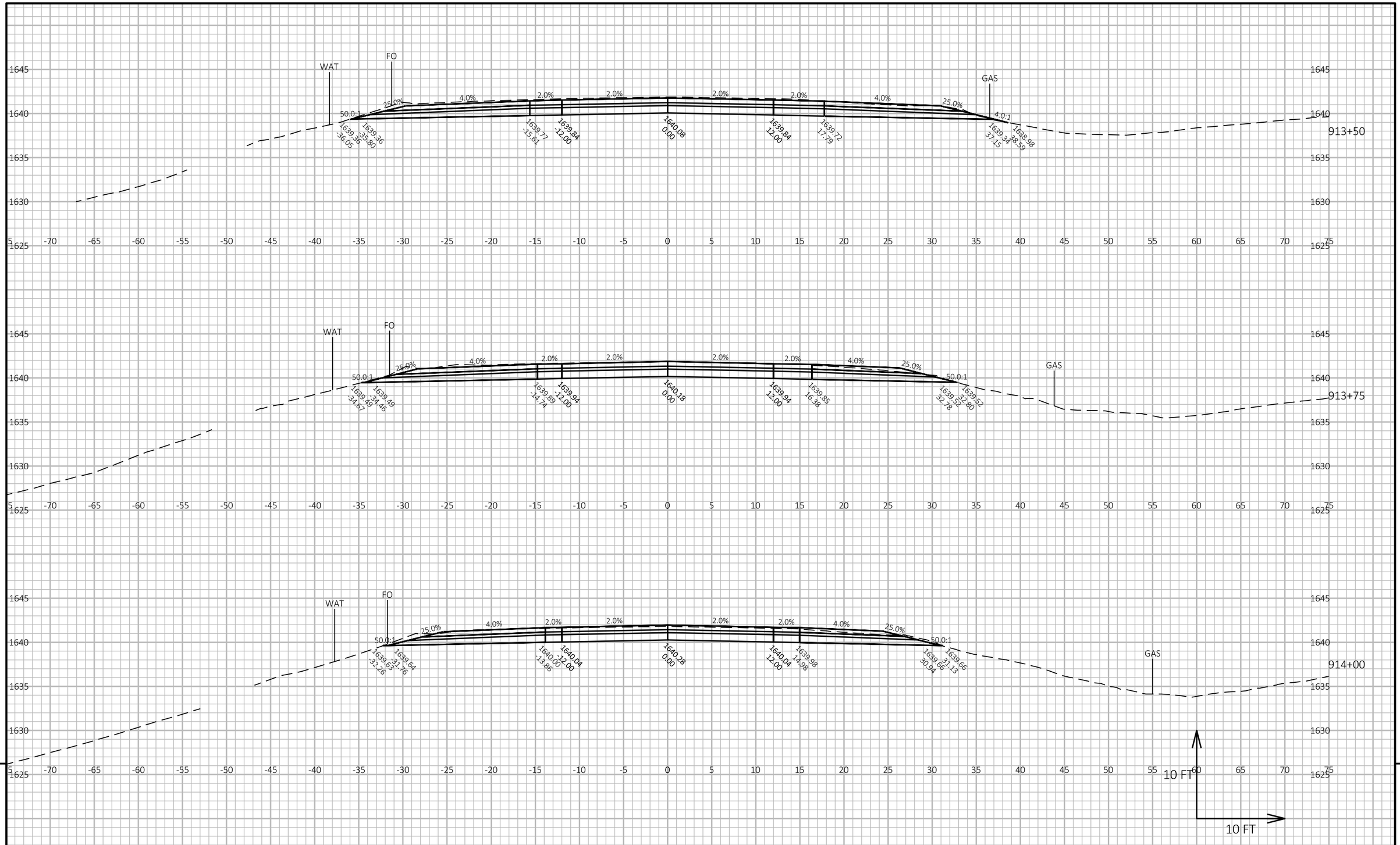
PLOT DATE : 7/22/2024 4:27 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



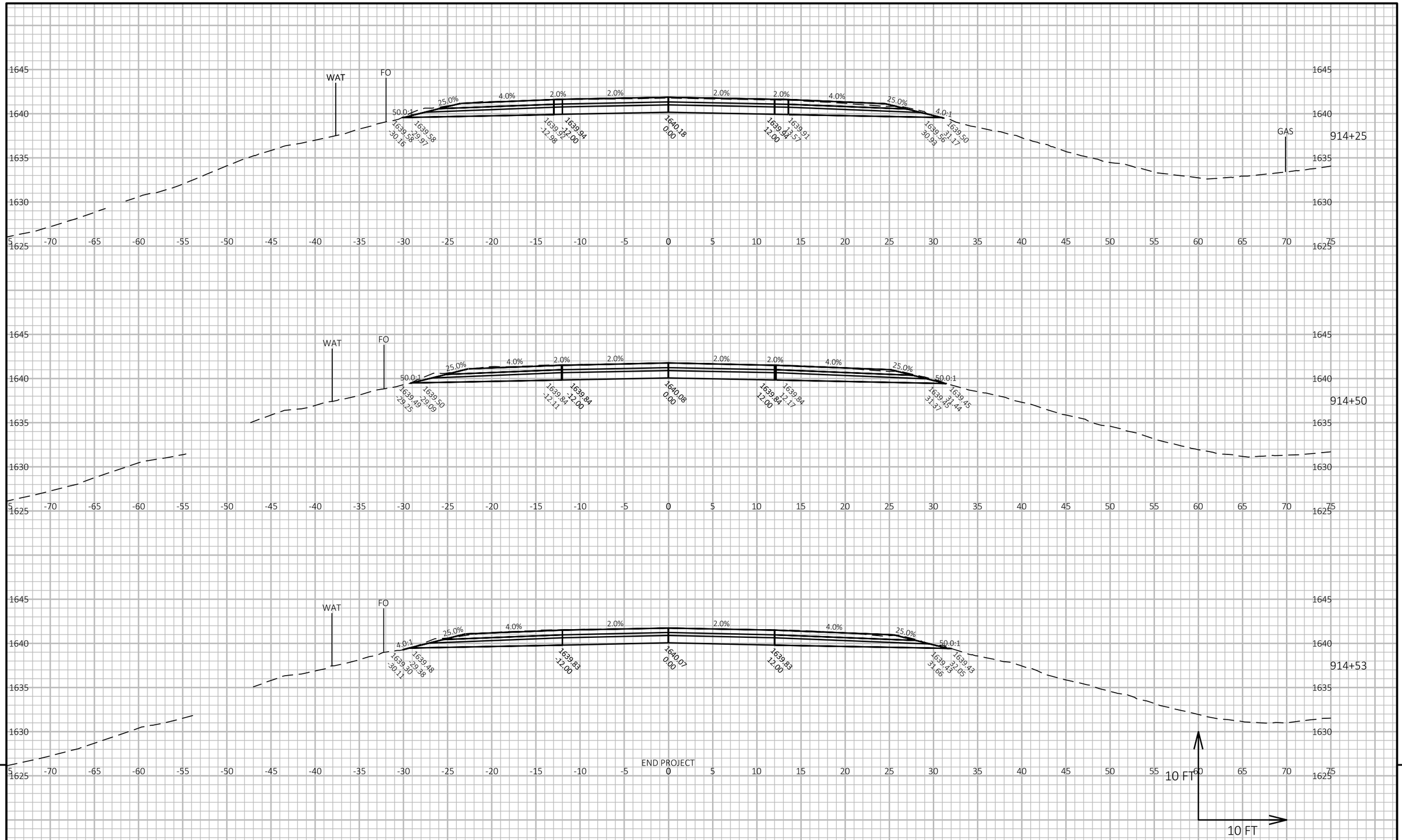
PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 272	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 53-xs

PLOT DATE : 4/27/2024 2:26 PM PLOT BY : SHAWN DOLENS PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: USH 45	SHEET 273	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 54-xs

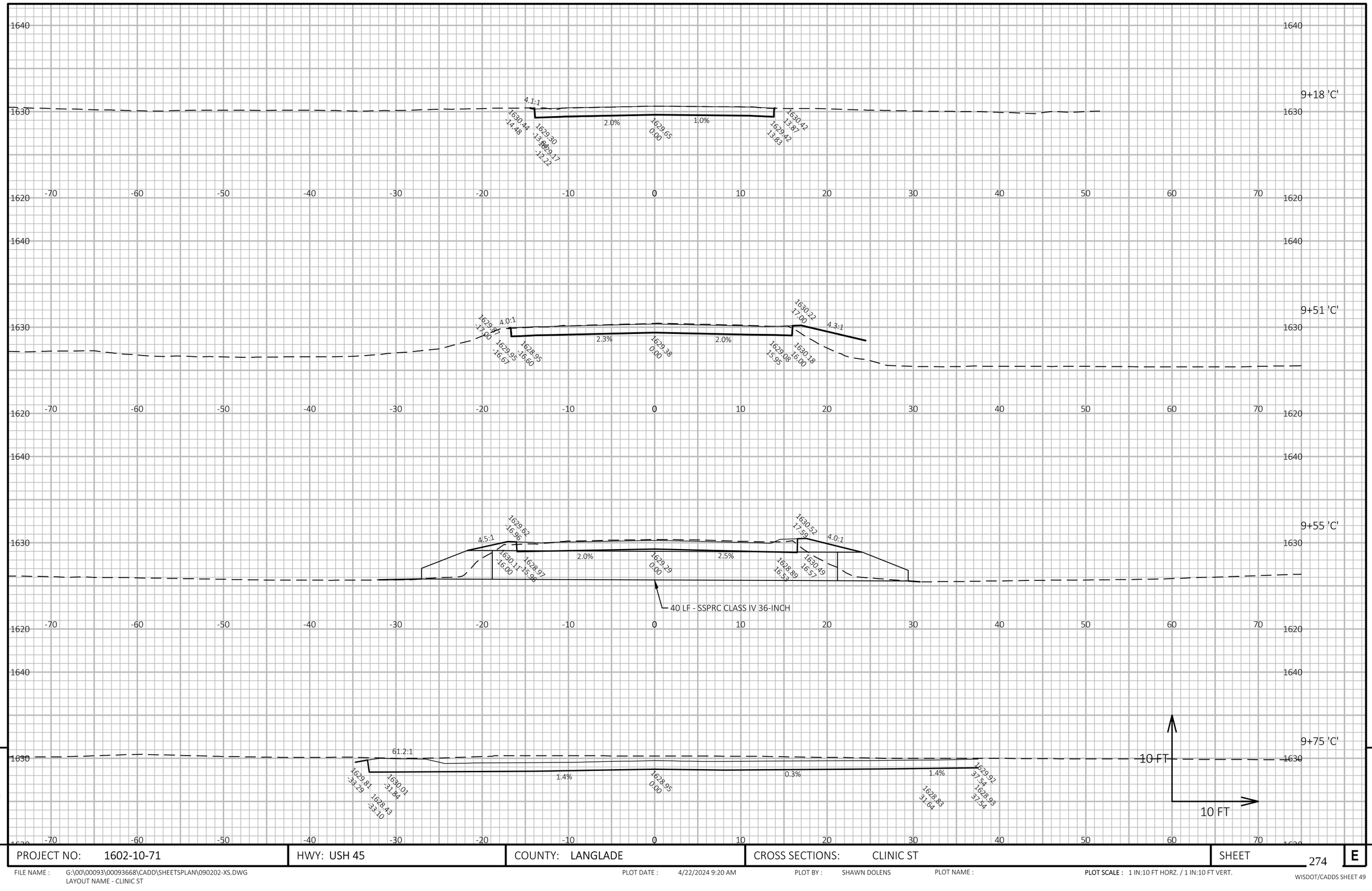
PLOT DATE : 4/27/2024 2:26 PM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: CLINIC ST	SHEET 274	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - CLINIC ST

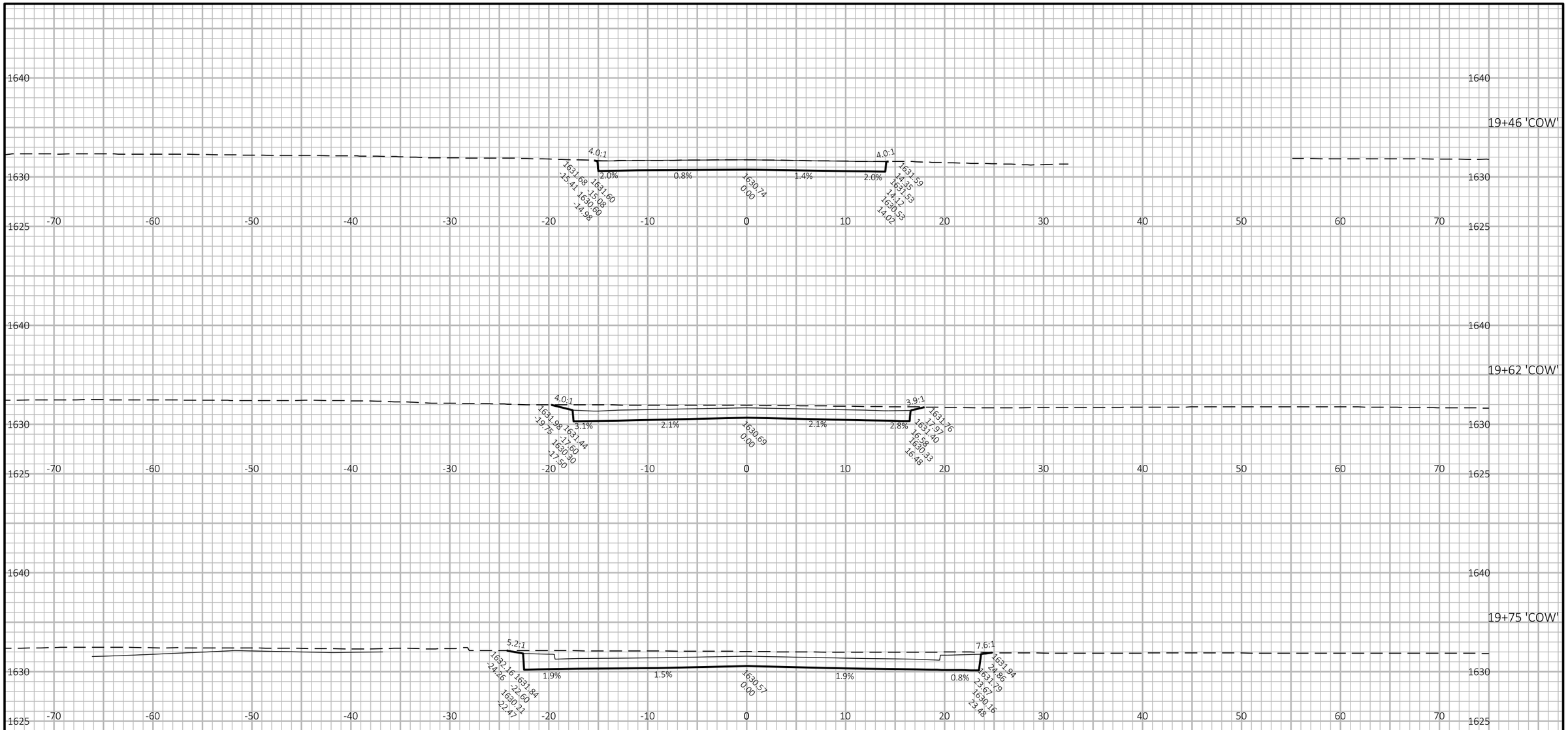
PLOT DATE : 4/22/2024 9:20 AM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: COLE ST	SHEET 275	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - COLE ST W

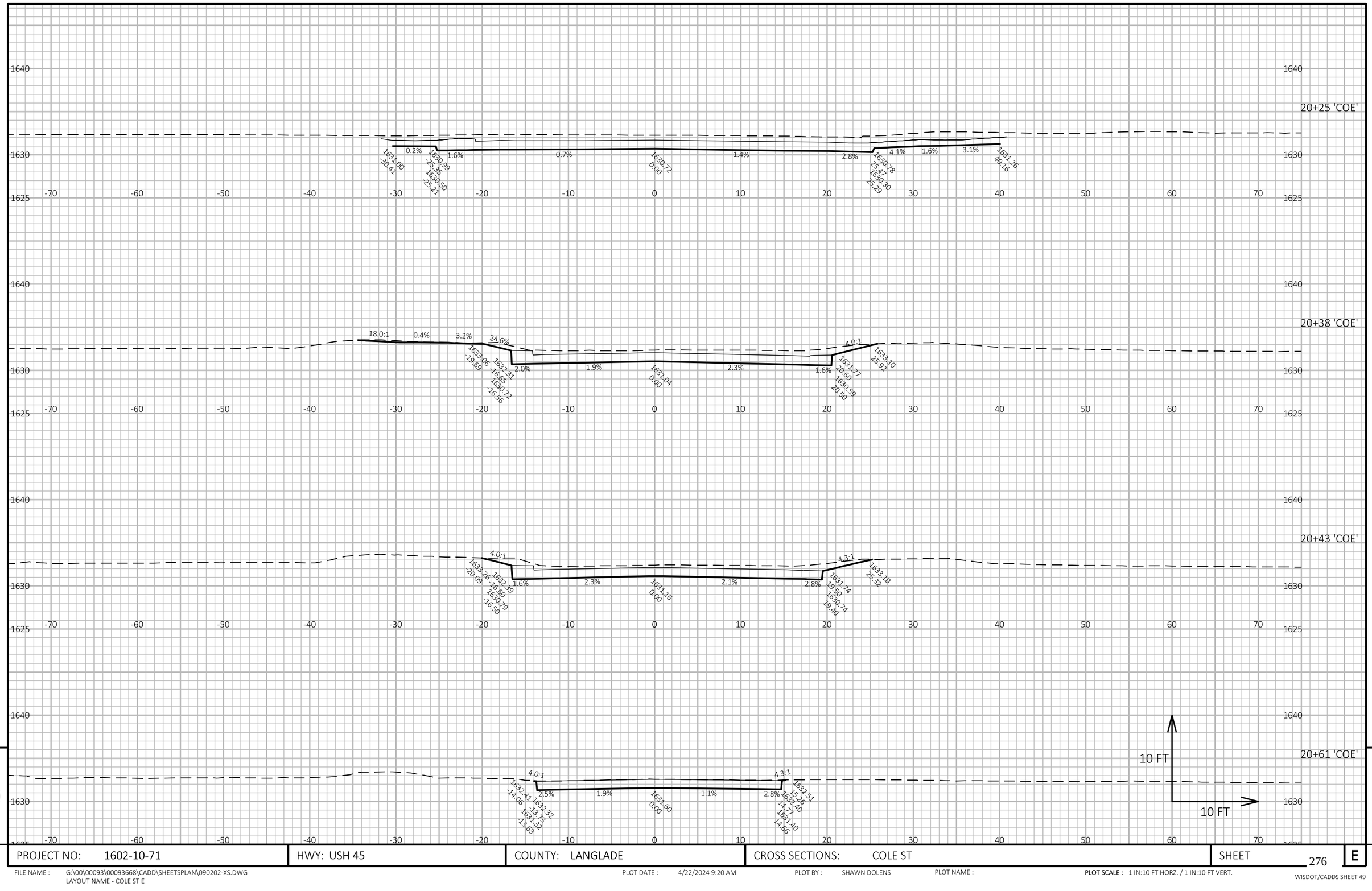
PLOT DATE : 4/22/2024 9:20 AM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: COLE ST	SHEET 276	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - COLE ST E

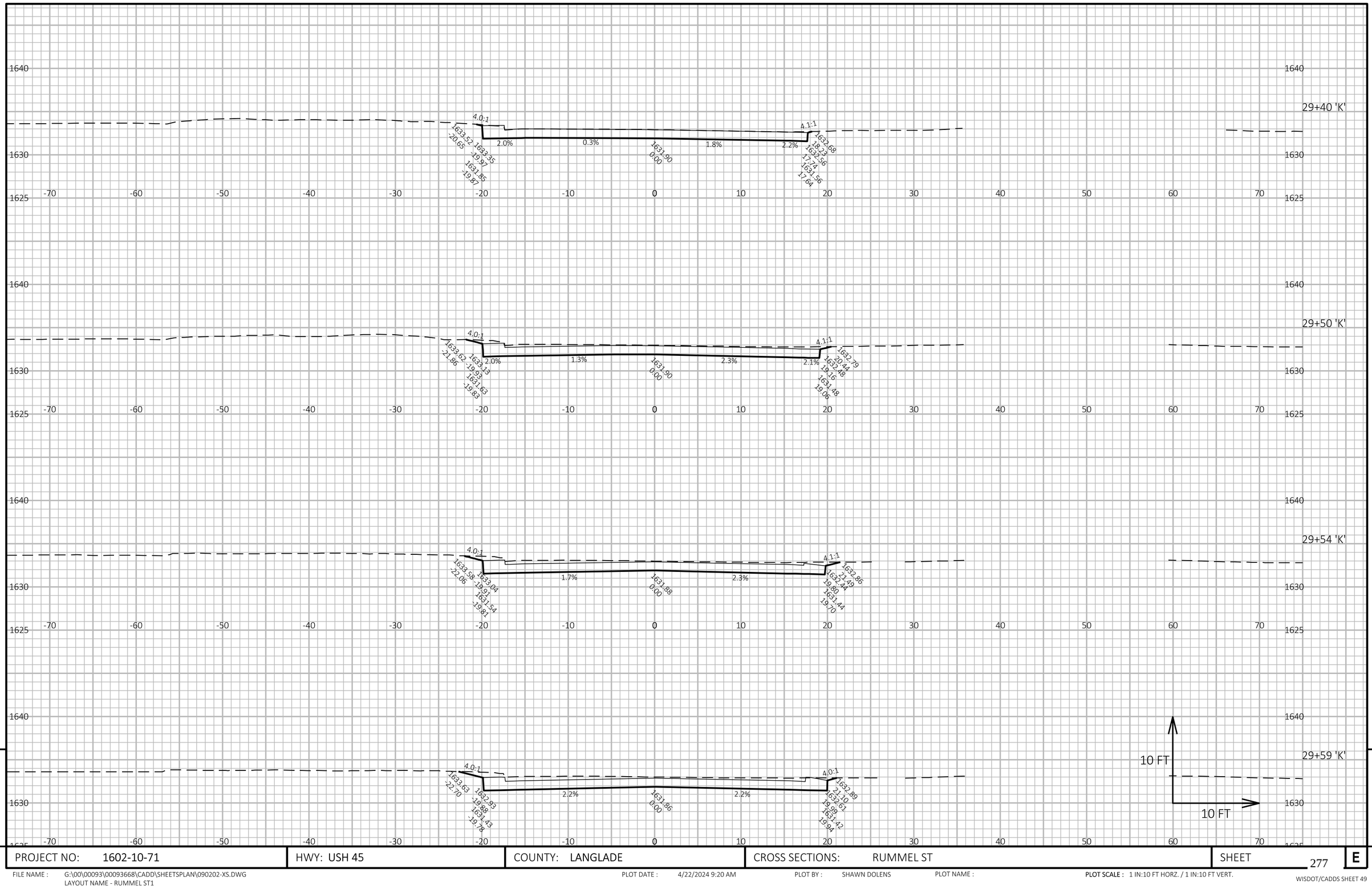
PLOT DATE : 4/22/2024 9:20 AM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: RUMMEL ST	SHEET 277	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - RUMMEL ST1

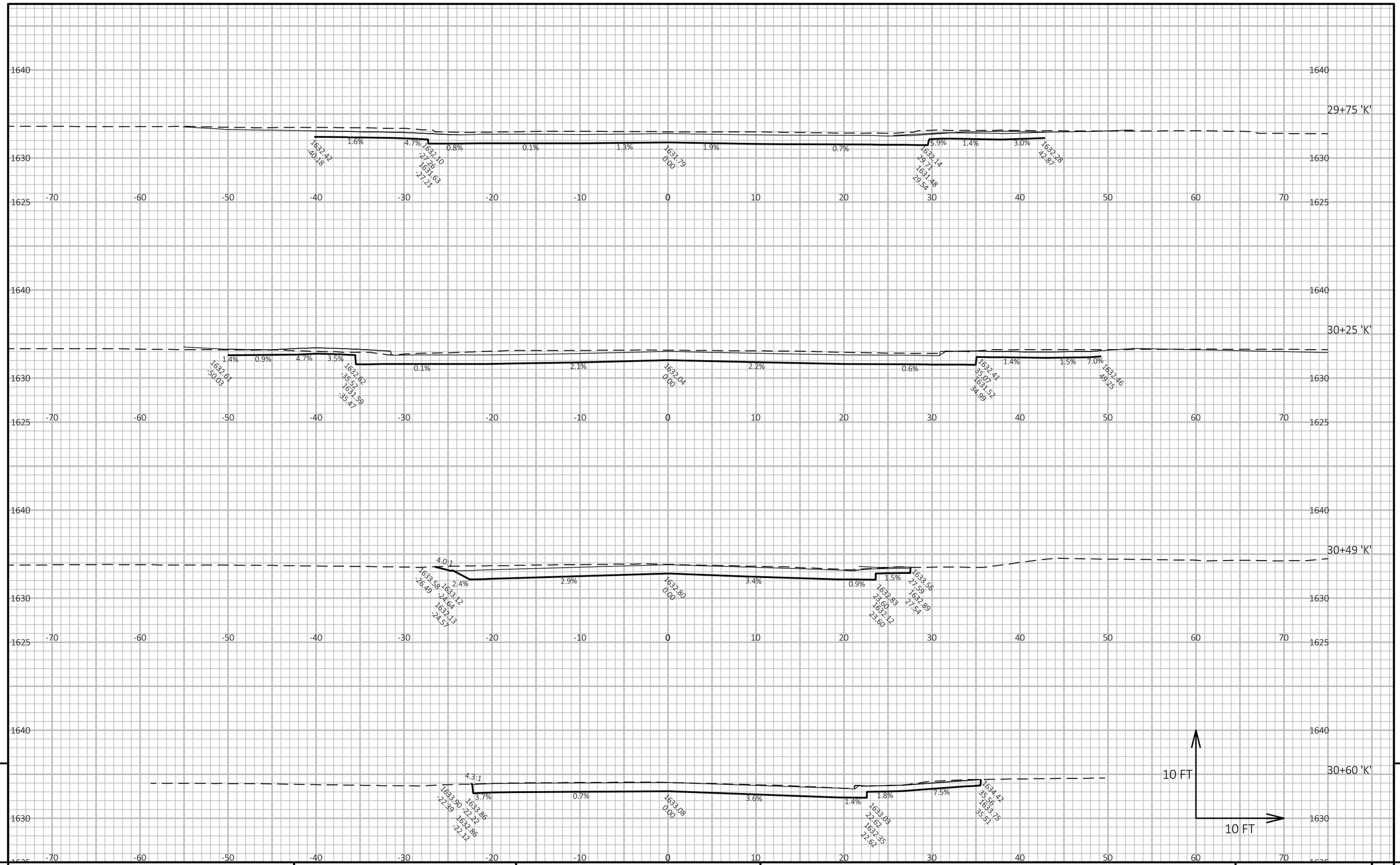
PLOT DATE : 4/22/2024 9:20 AM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: RUMMEL ST	SHEET 278	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - RUMMEL ST2

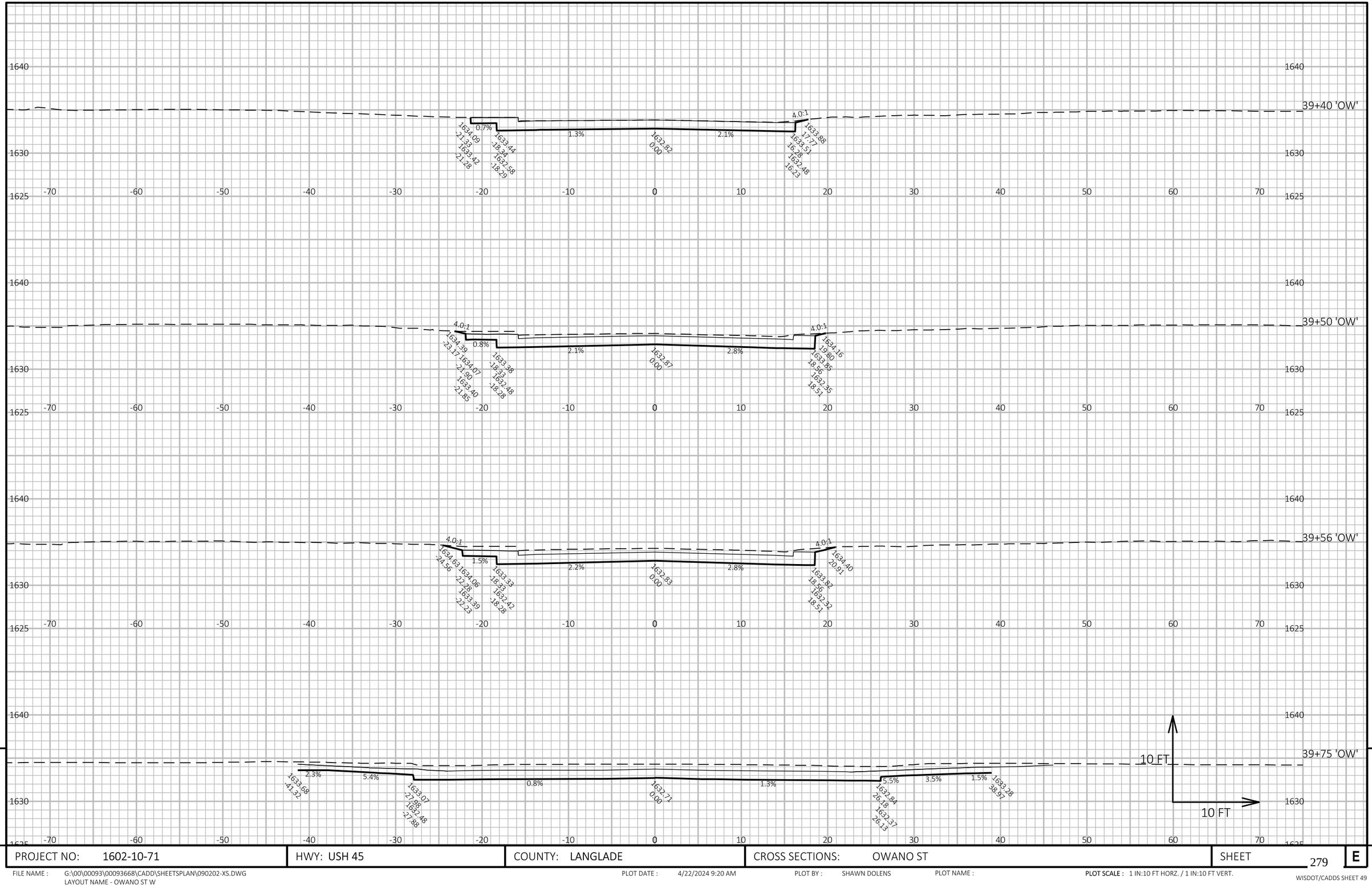
PLOT DATE : 4/22/2024 9:20 AM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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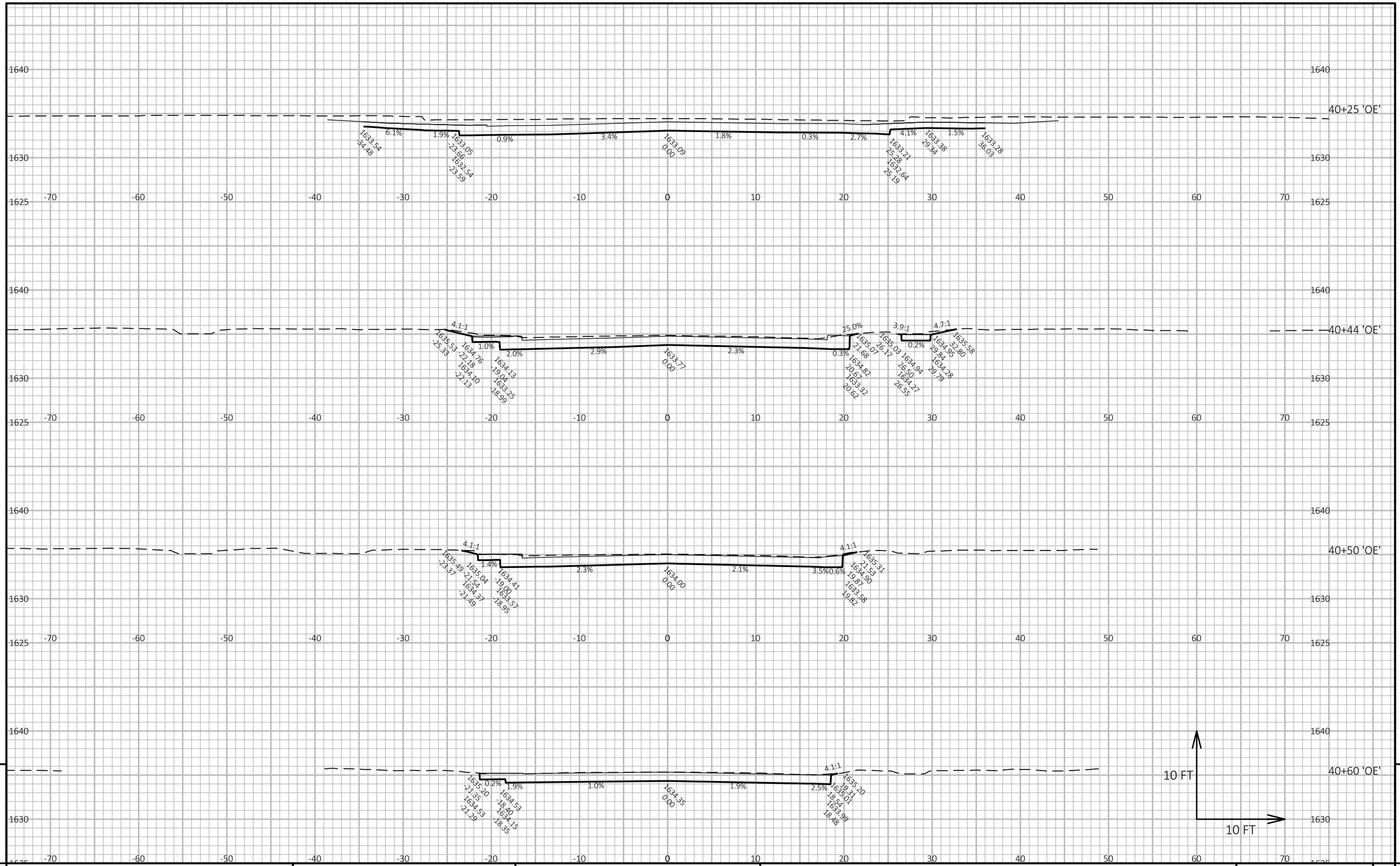
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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: OWANO ST	SHEET 279	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - OWANO ST W

PLOT DATE : 4/22/2024 9:20 AM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: OWANO ST	SHEET 280	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - OWANO ST E

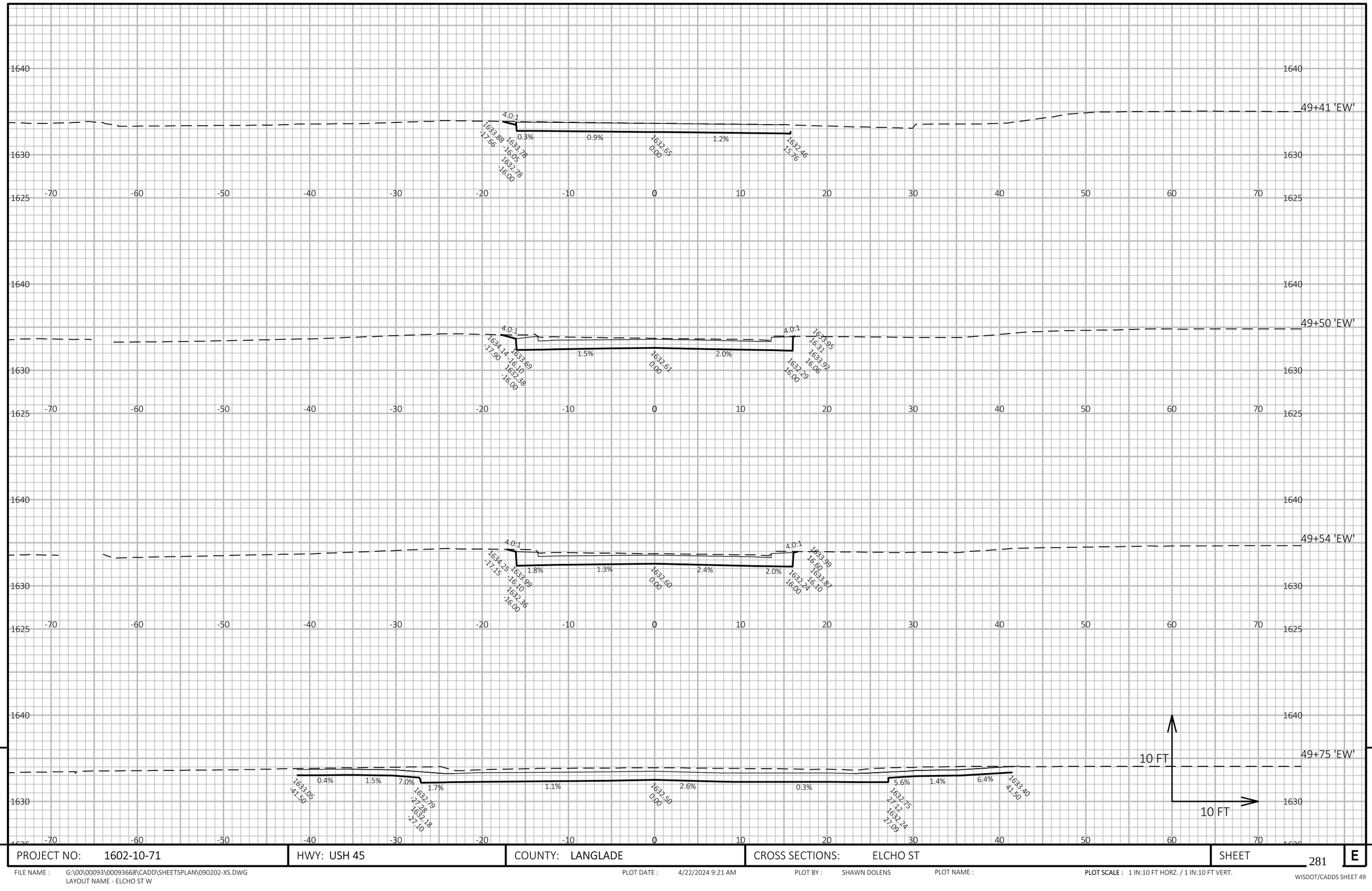
PLOT DATE : 4/22/2024 9:21 AM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: ELCHO ST	SHEET 281	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - ELCHO ST W

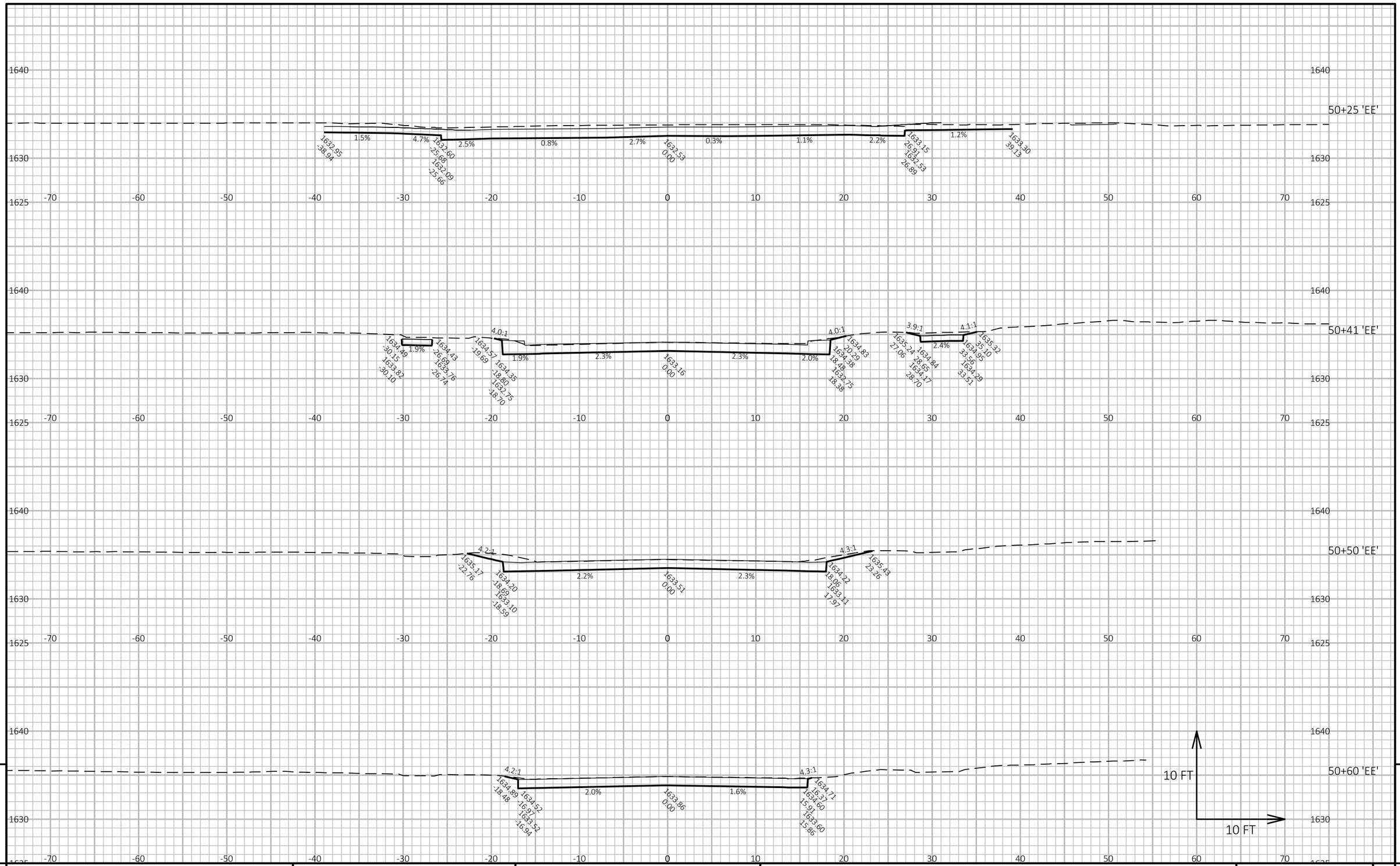
PLOT DATE : 4/22/2024 9:21 AM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: ELCHO ST	SHEET 282	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - ELCHO ST E

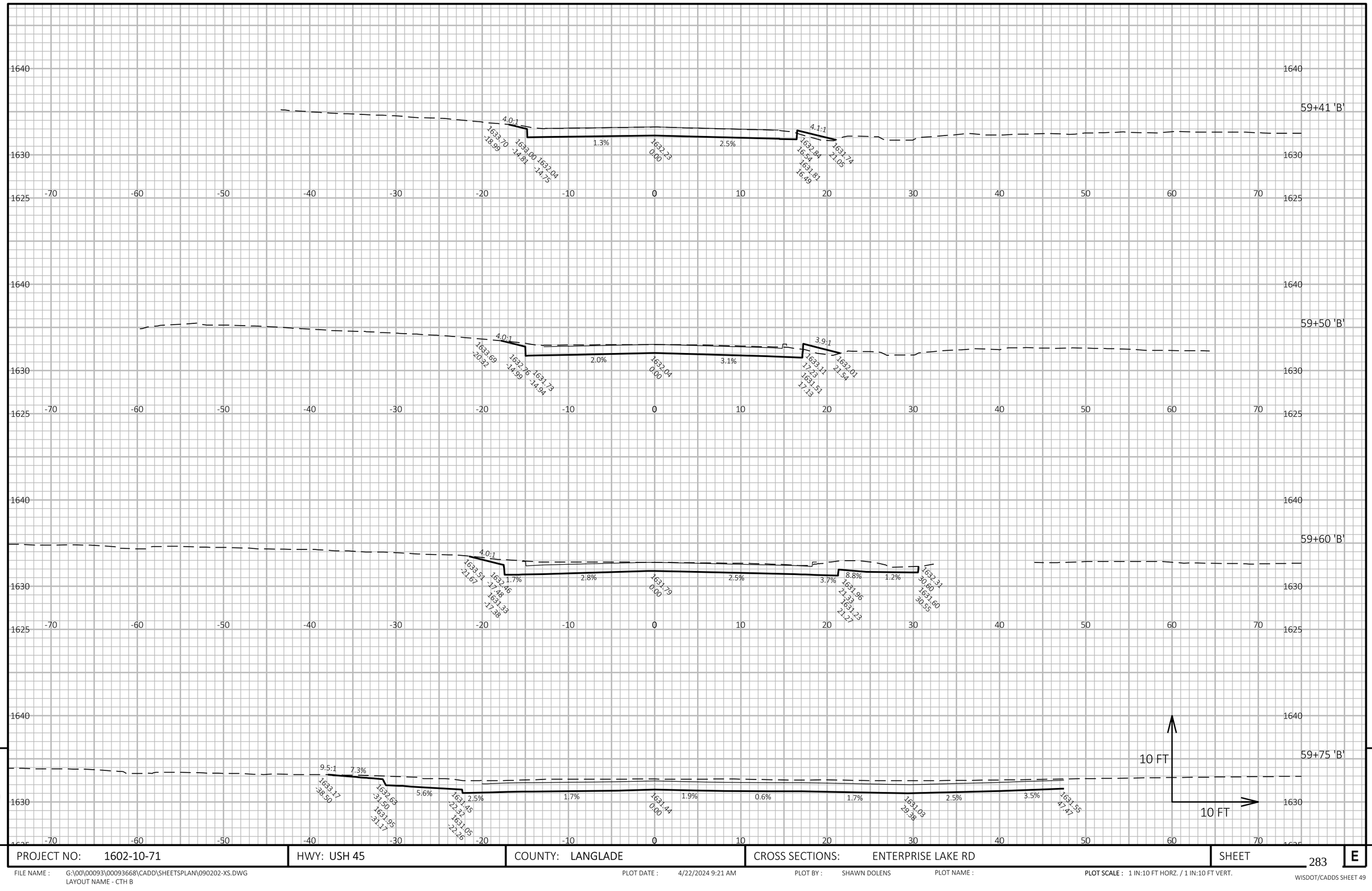
PLOT DATE : 4/22/2024 9:21 AM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: ENTERPRISE LAKE RD	SHEET 283	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - CTH B

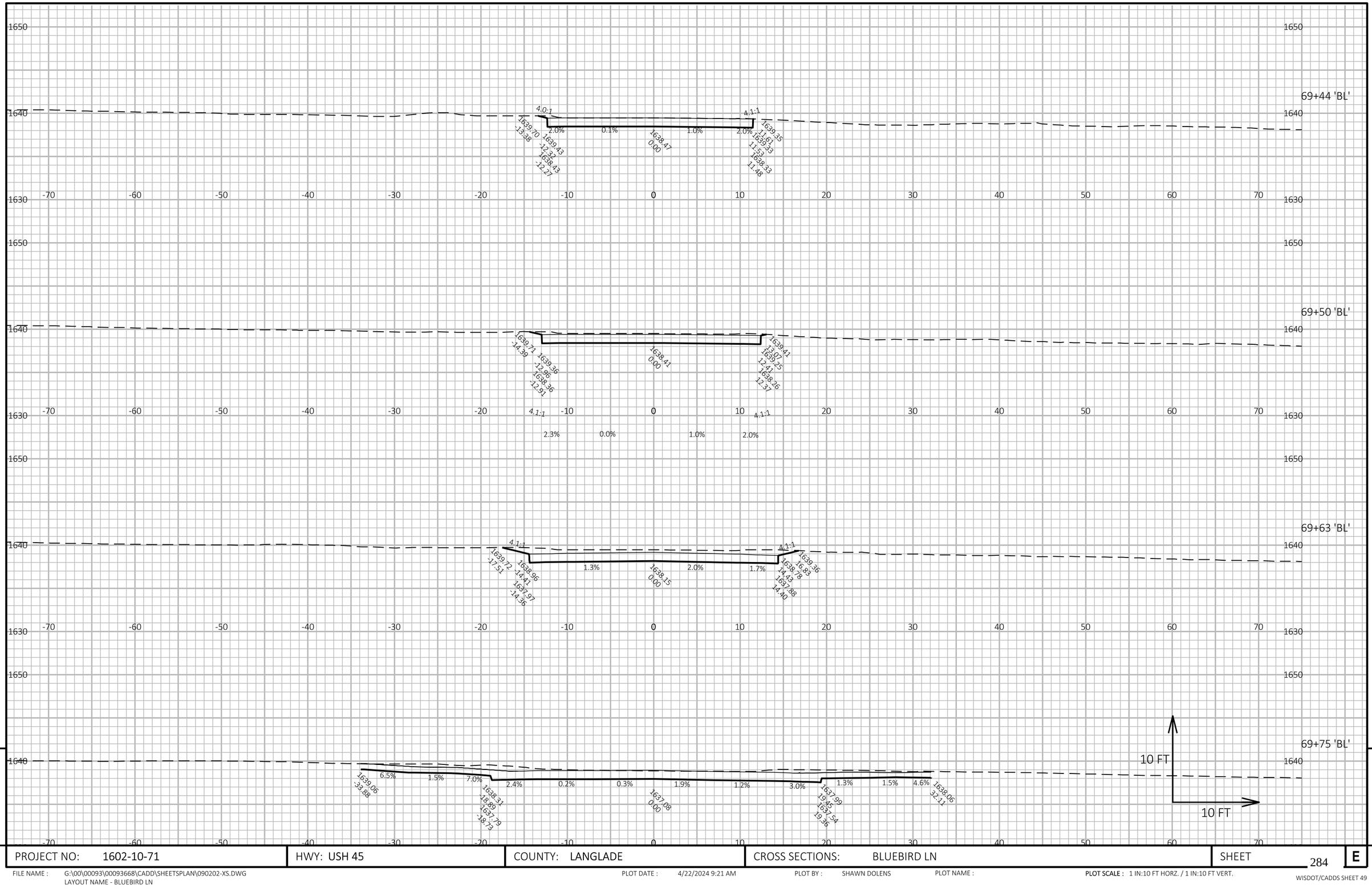
PLOT DATE : 4/22/2024 9:21 AM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

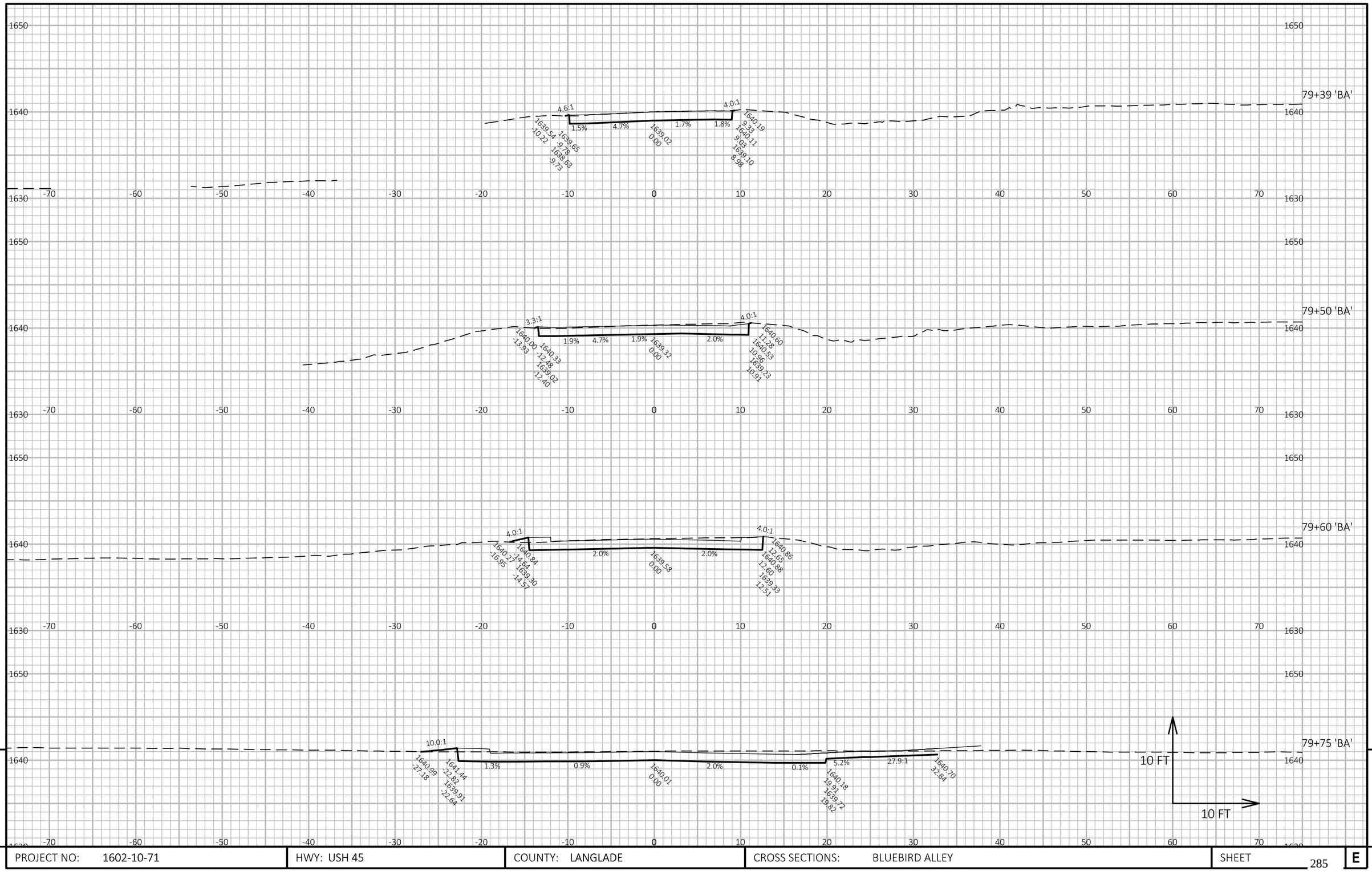


PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: BLUEBIRD LN	SHEET 284 E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - BLUEBIRD LN

PLOT DATE : 4/22/2024 9:21 AM PLOT BY : SHAWN DOLENS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: BLUEBIRD ALLEY	SHEET 285	E

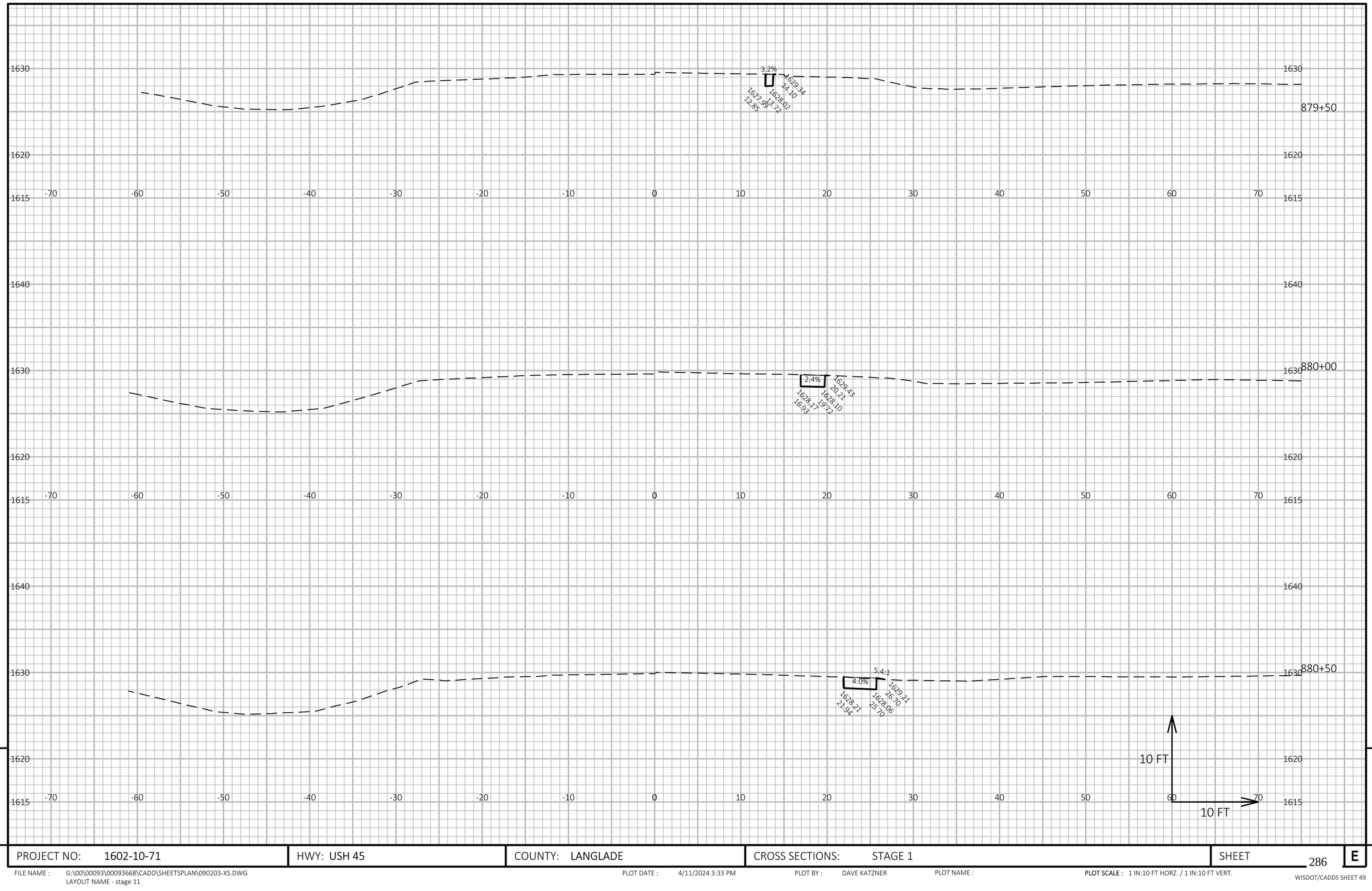
FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - BLUEBIRD ALLEY

PLOT DATE : 4/22/2024 9:21 AM

PLOT BY : SHAWN DOLENS

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 286	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 11

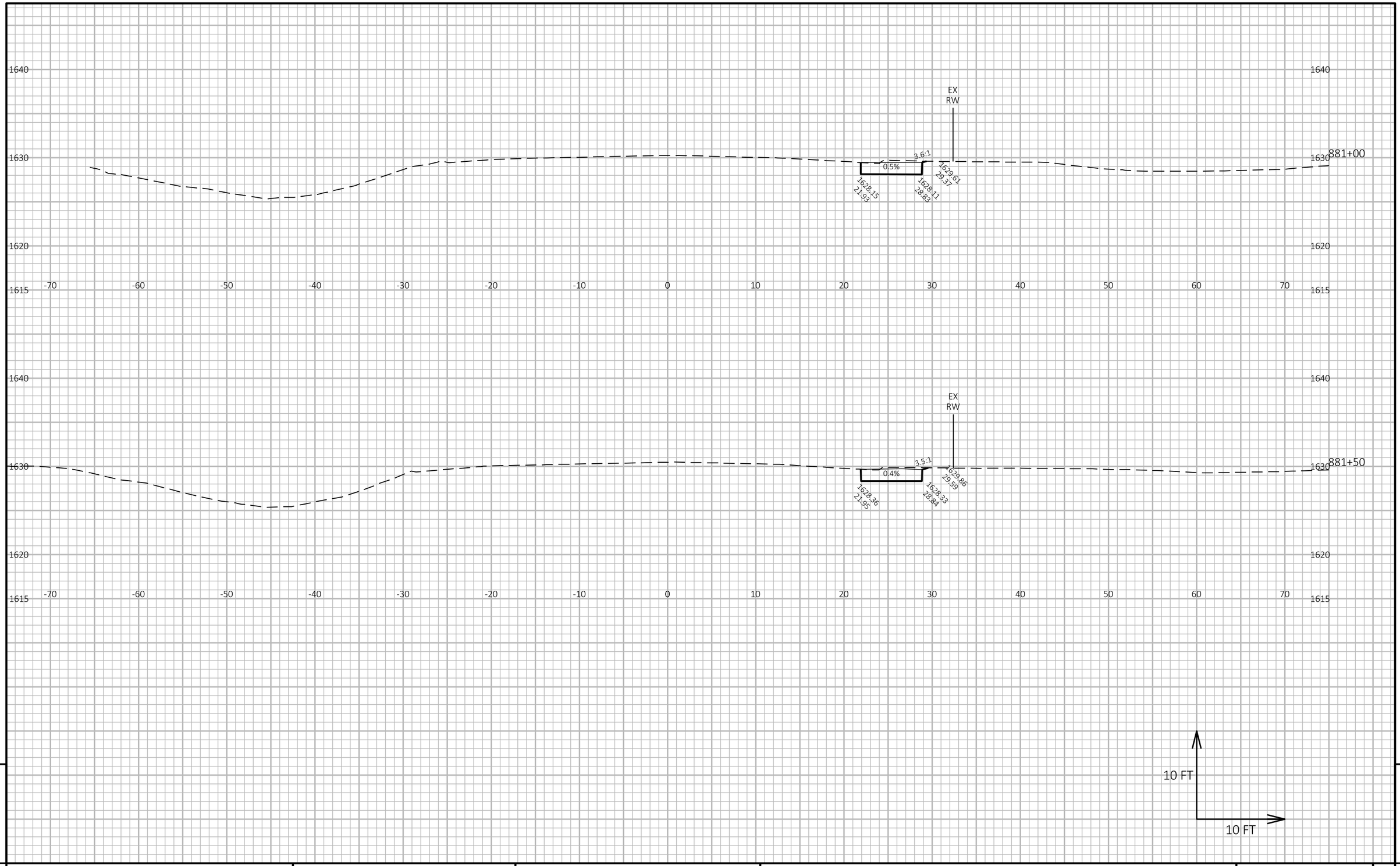
PLOT DATE : 4/11/2024 3:33 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 287	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 12

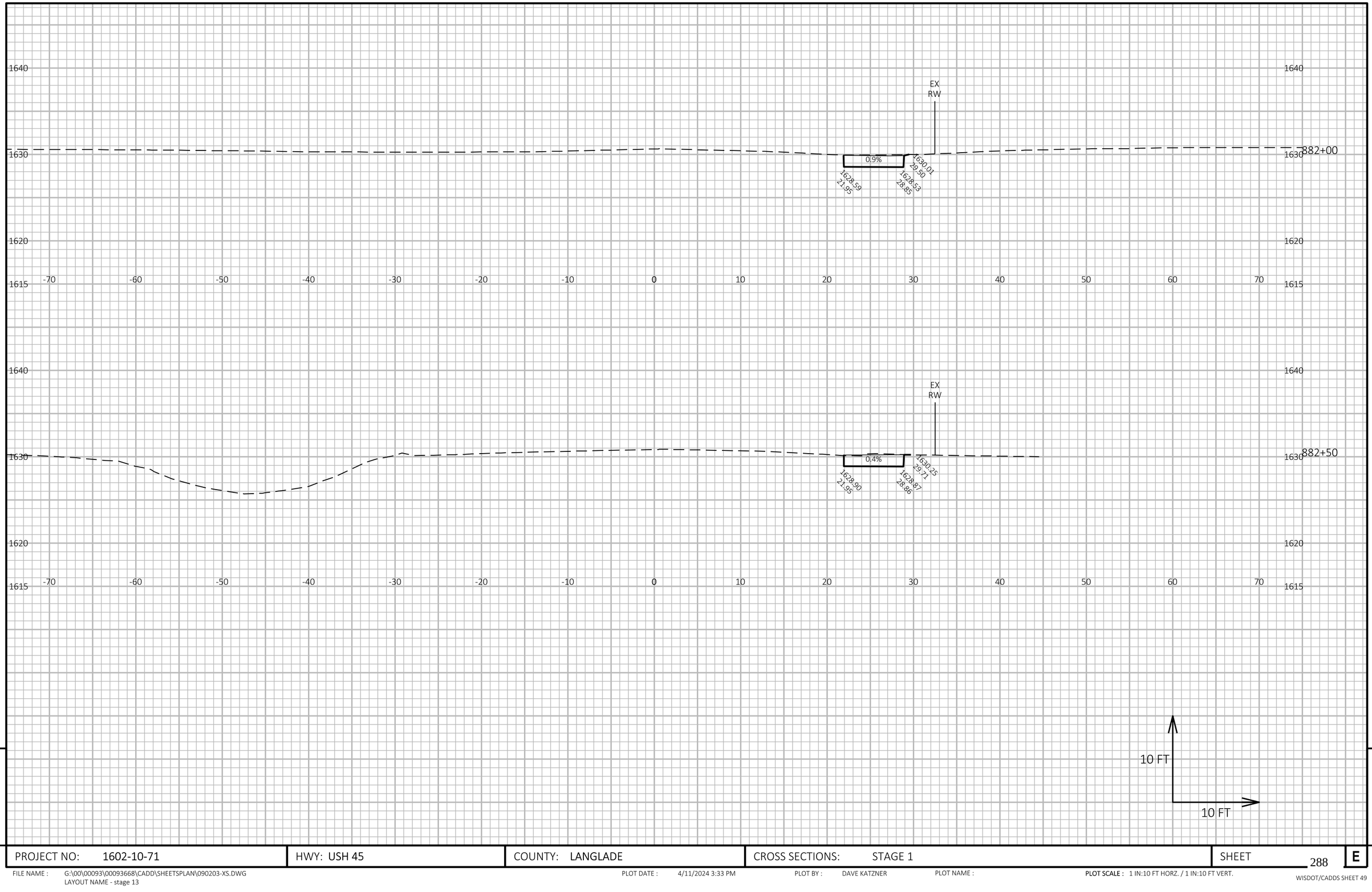
PLOT DATE : 4/11/2024 3:33 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 288	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 13

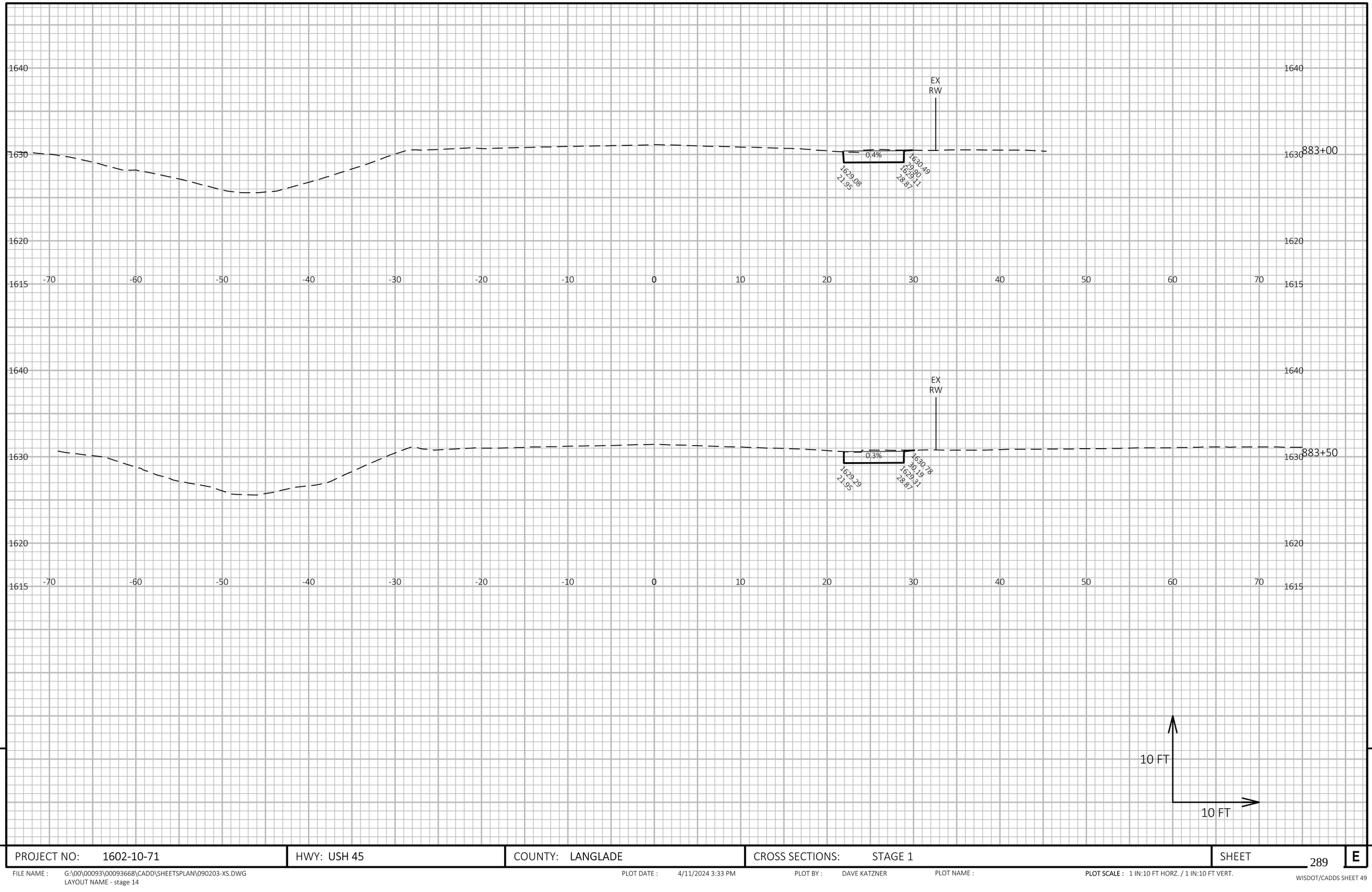
PLOT DATE : 4/11/2024 3:33 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 289	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 14

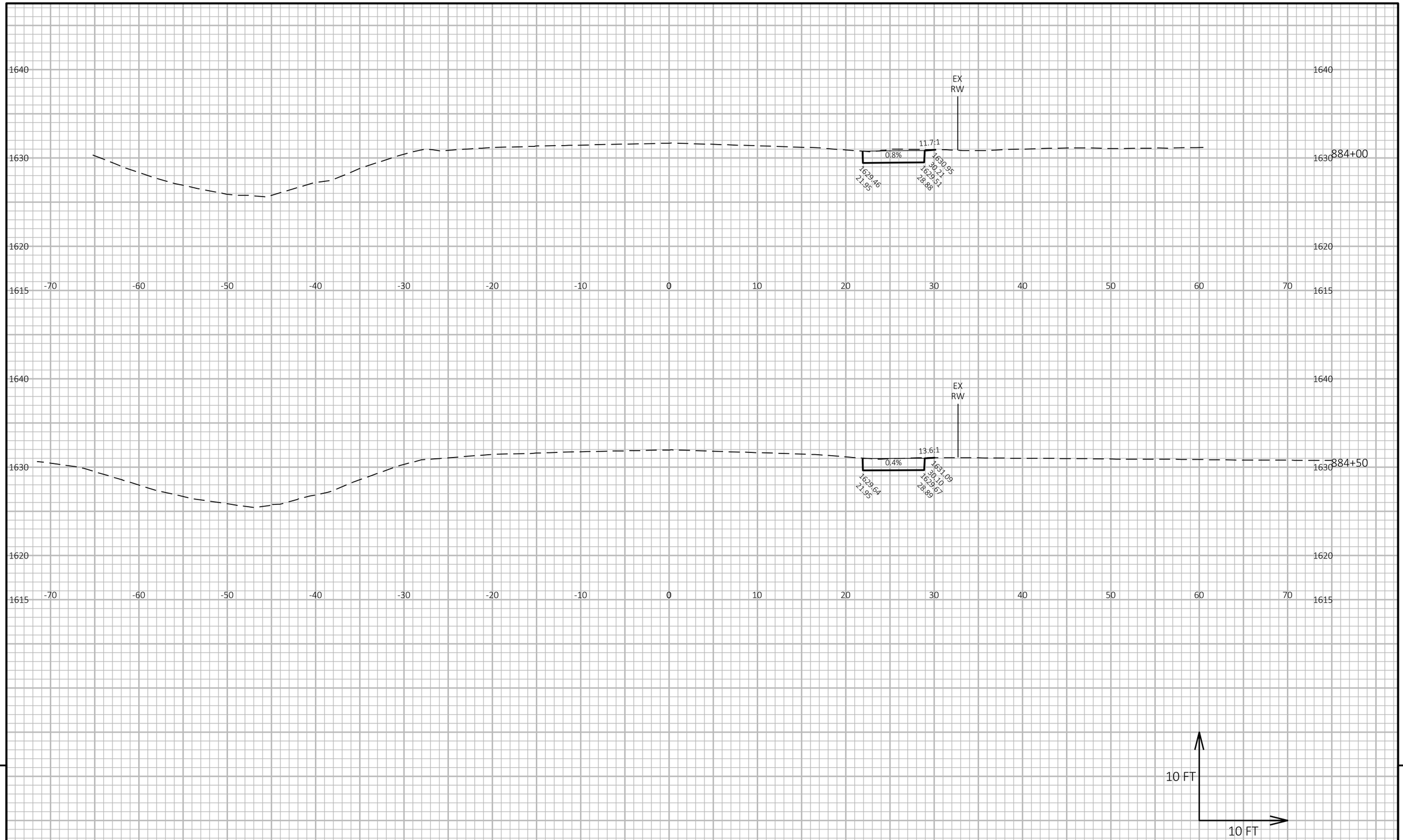
PLOT DATE : 4/11/2024 3:33 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 290	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 15

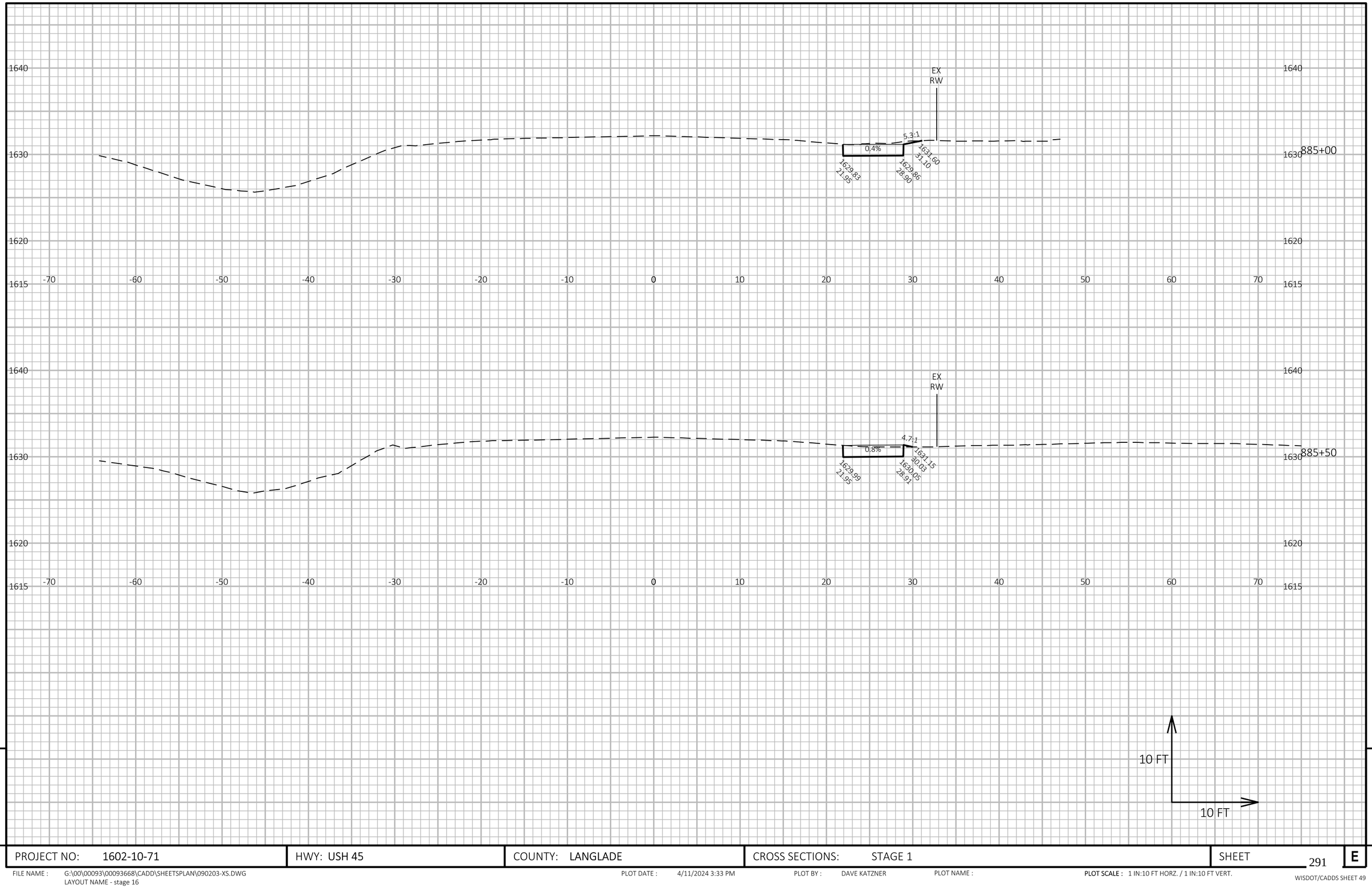
PLOT DATE : 4/11/2024 3:33 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 291	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 16

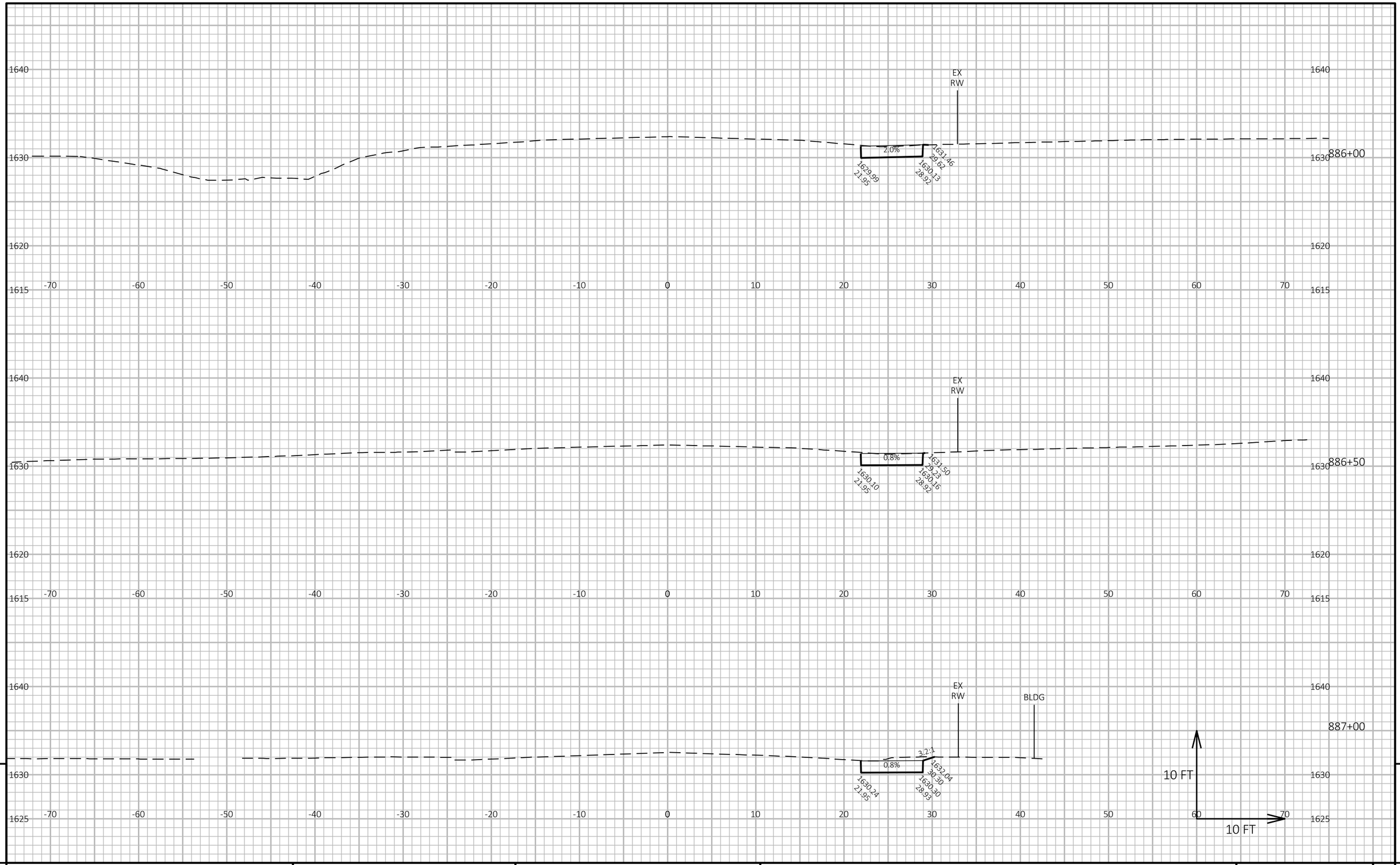
PLOT DATE : 4/11/2024 3:33 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 292	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 17

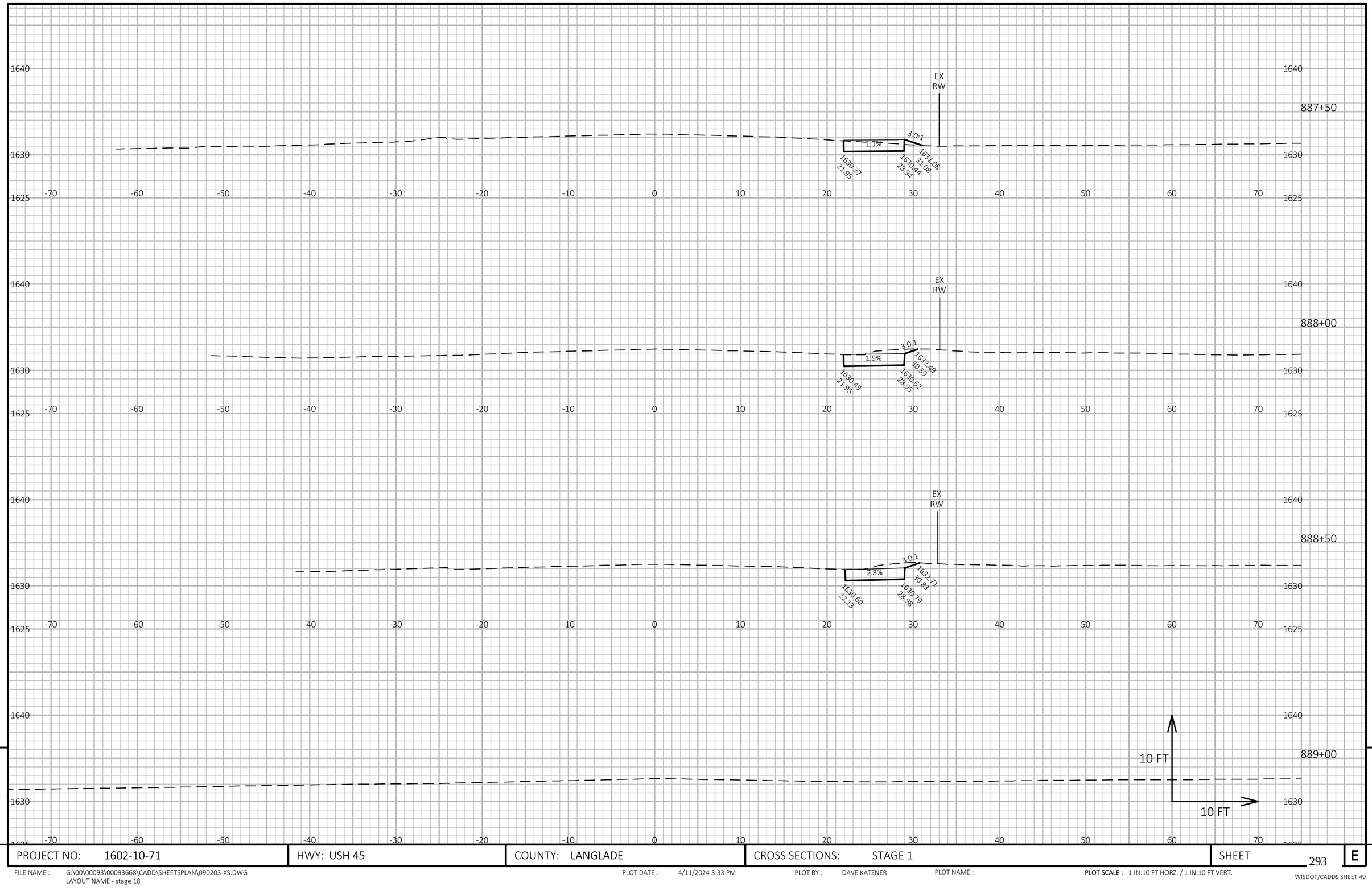
PLOT DATE : 4/11/2024 3:33 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



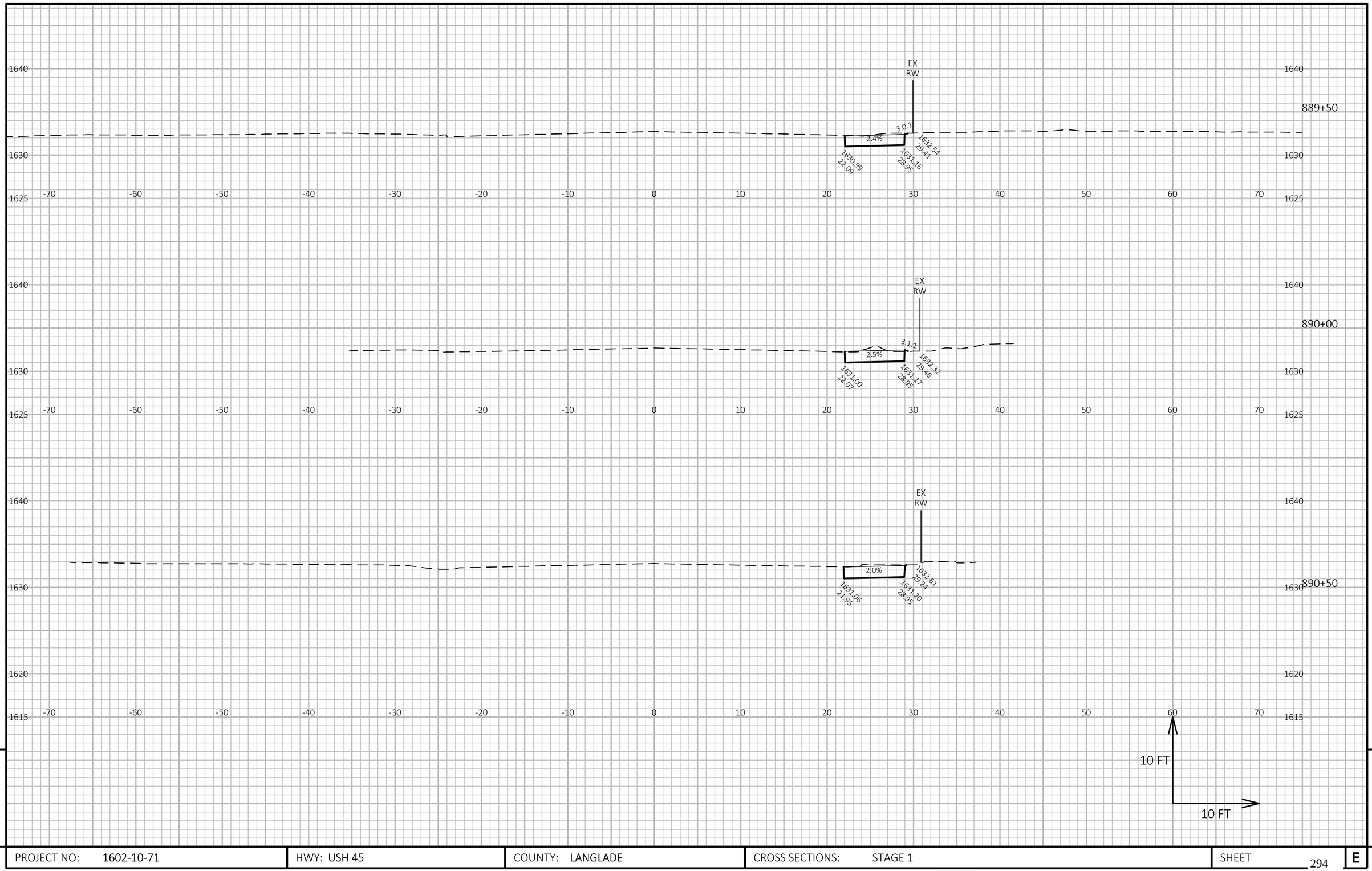
9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 293	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 18

PLOT DATE : 4/11/2024 3:33 PM PLOT BY : DAVE KATZNER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 294	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 19

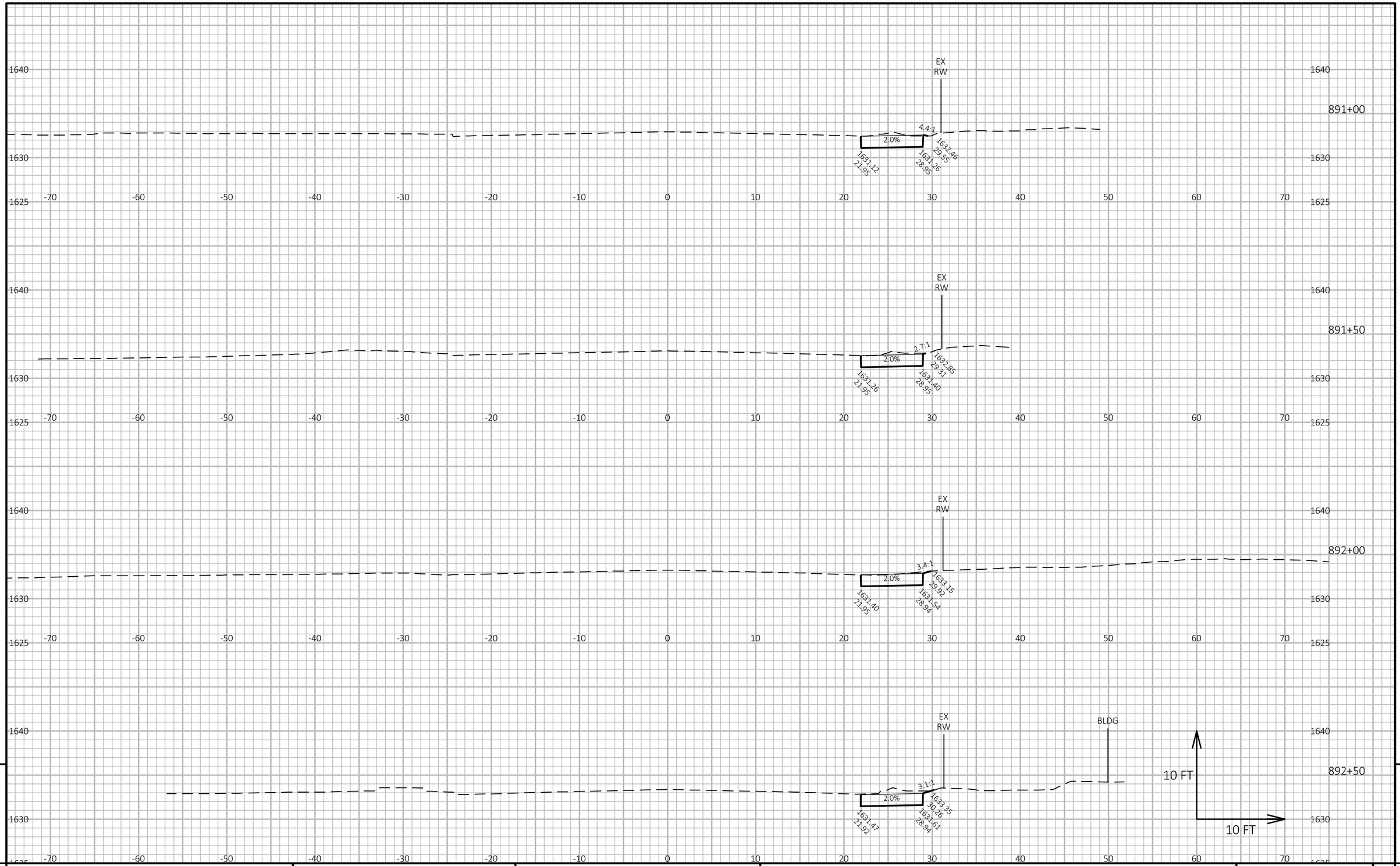
PLOT DATE : 4/11/2024 3:33 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 295	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 110

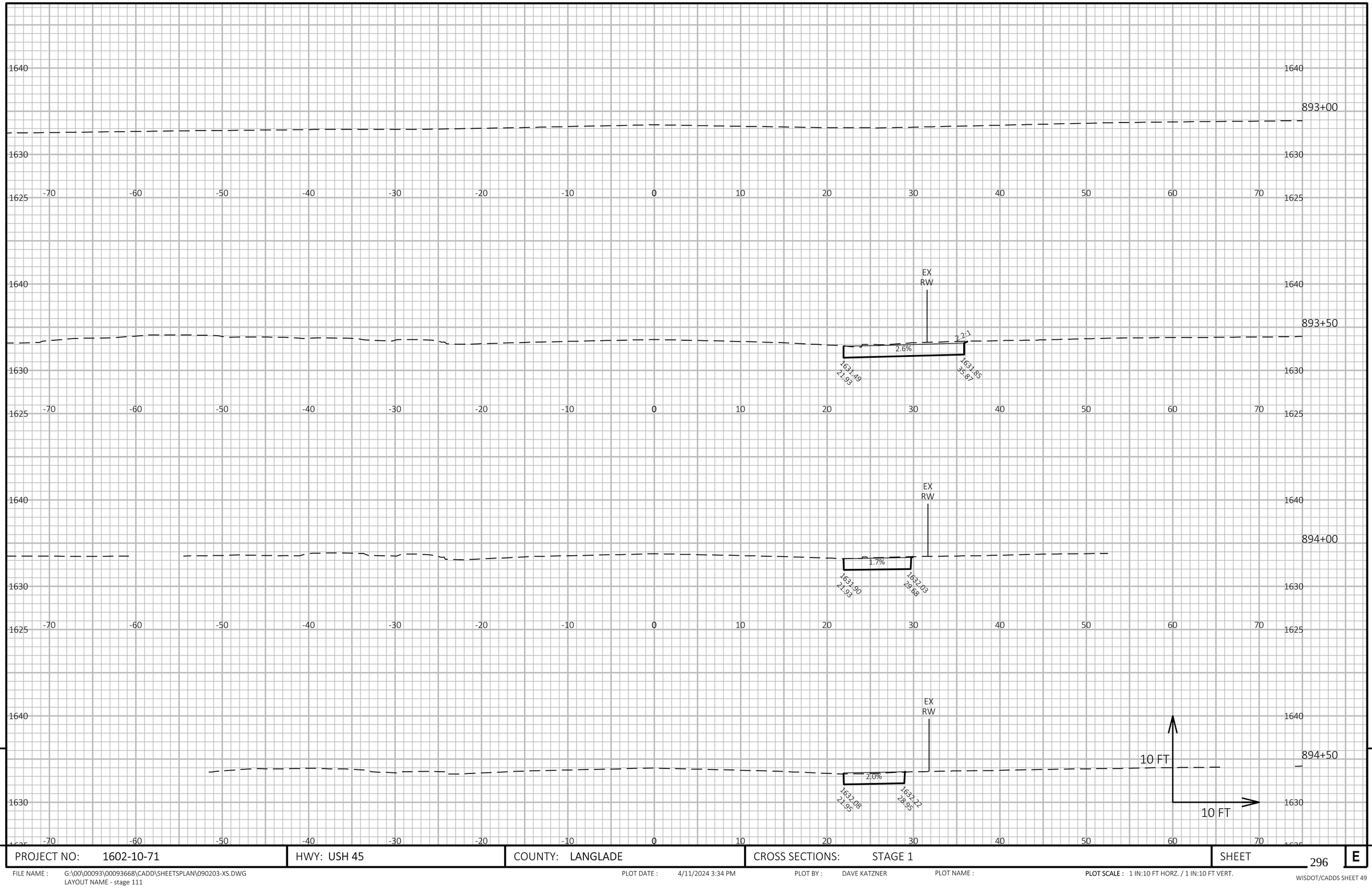
PLOT DATE : 4/11/2024 3:34 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 296	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 111

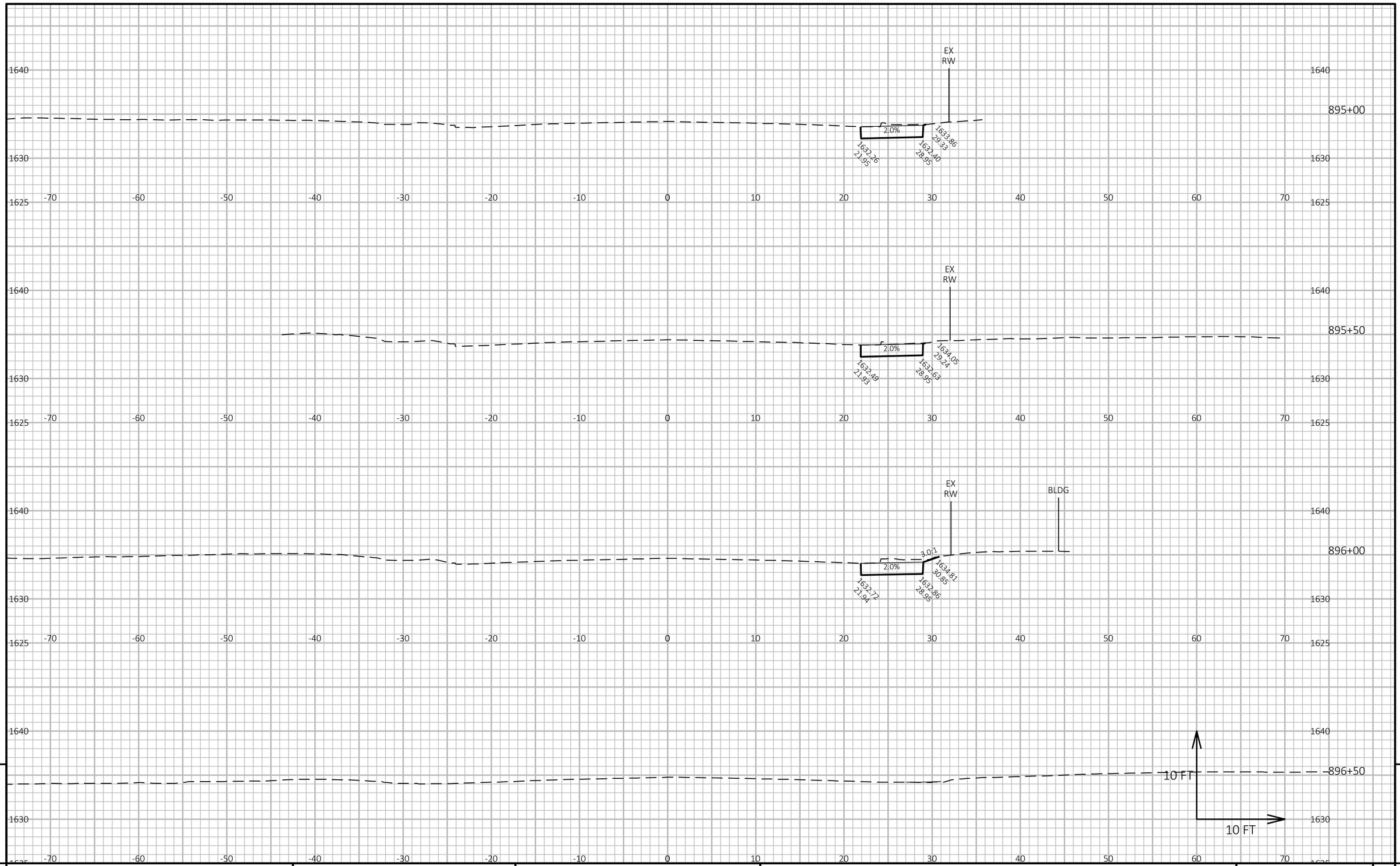
PLOT DATE : 4/11/2024 3:34 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 297	E

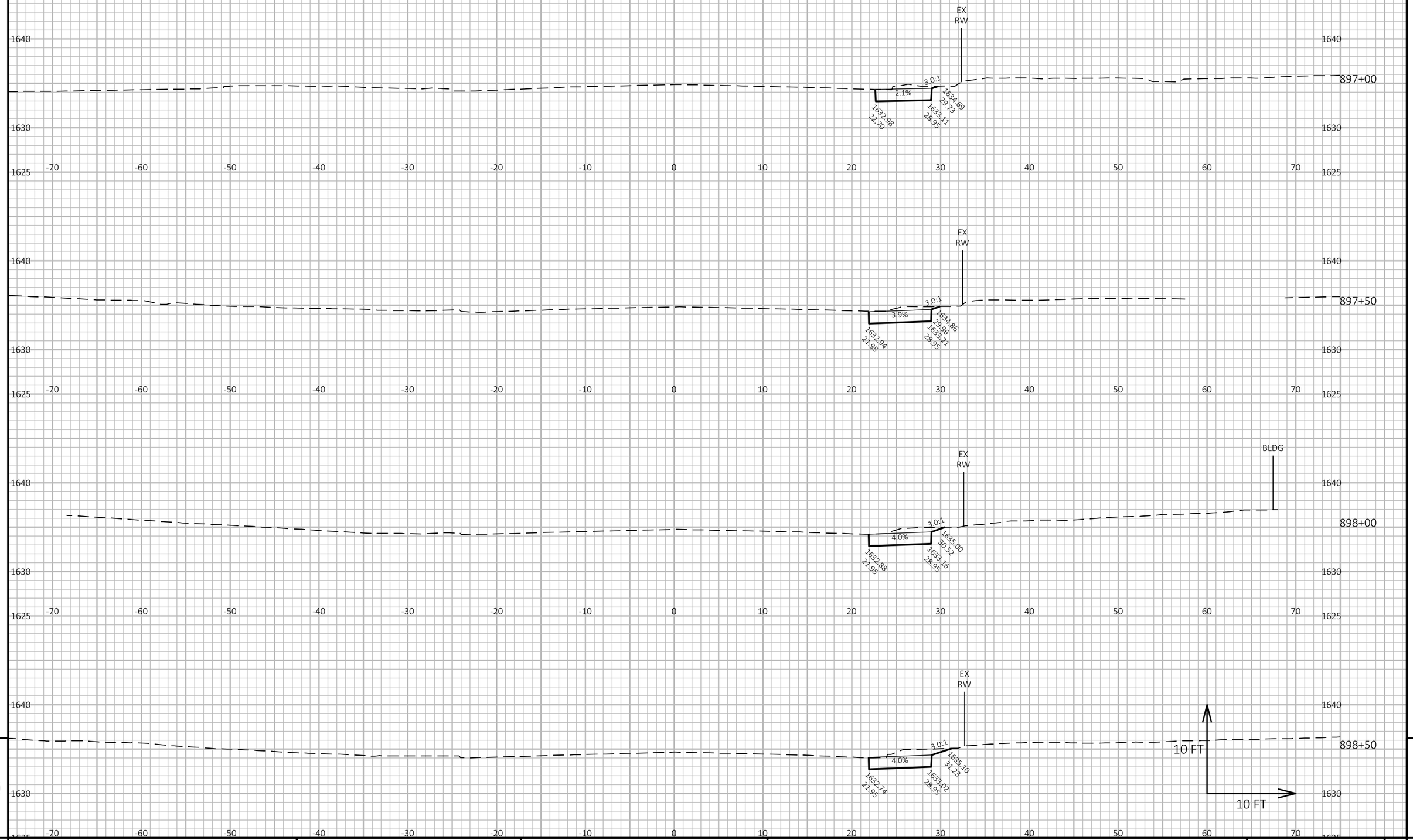
FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 112

PLOT DATE : 4/11/2024 3:34 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 298	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 113

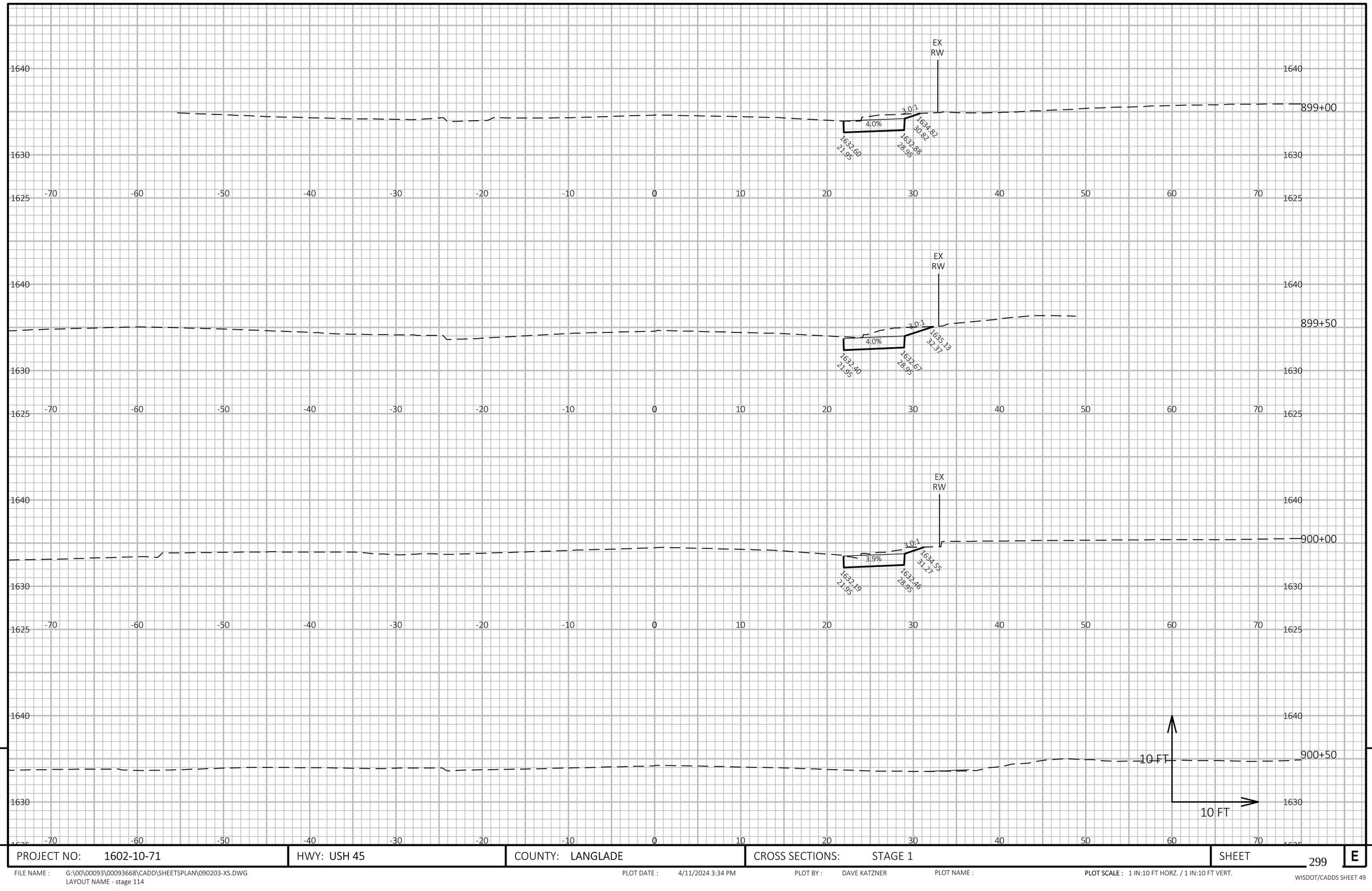
PLOT DATE : 4/11/2024 3:34 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 299	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 114

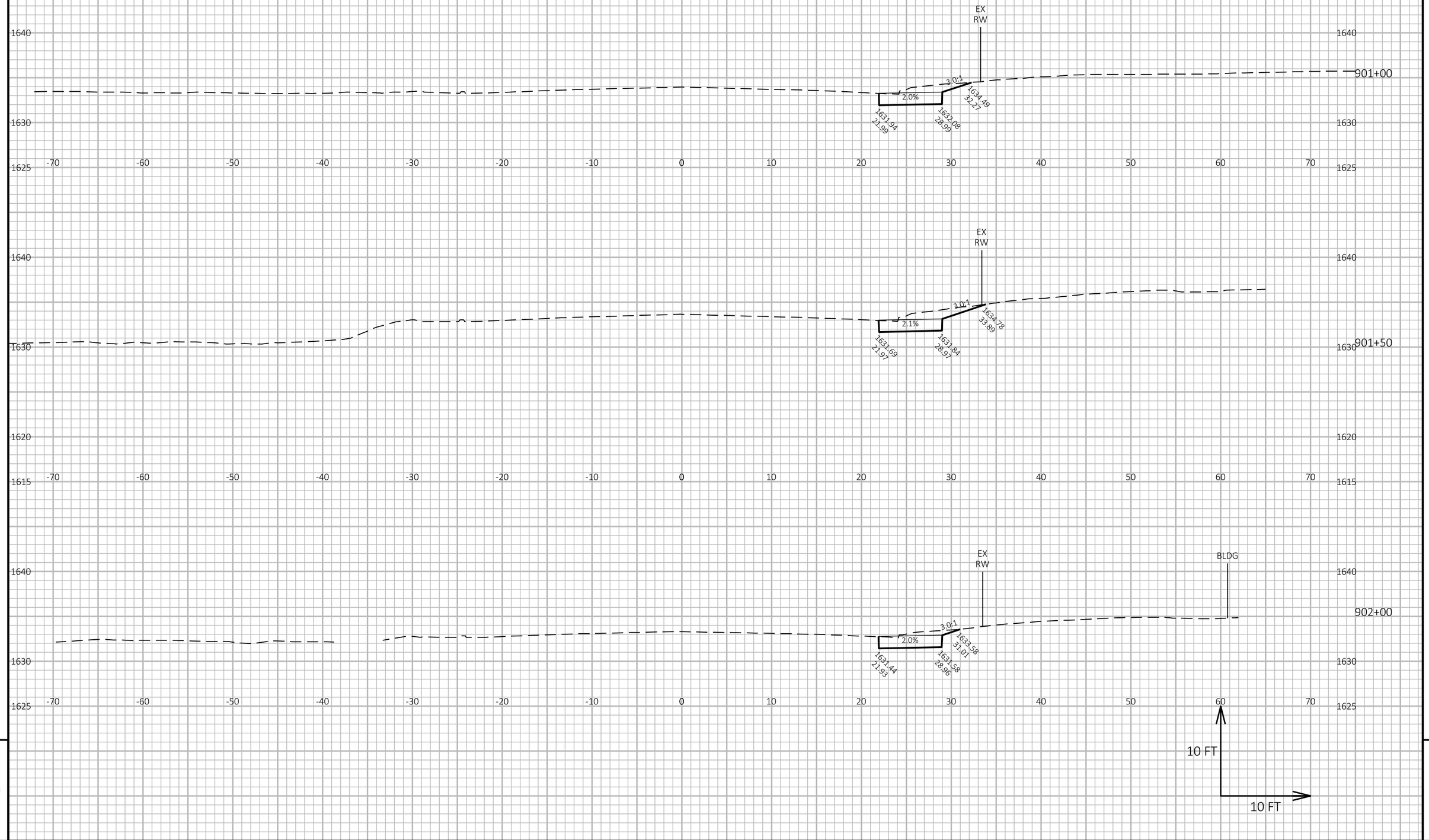
PLOT DATE : 4/11/2024 3:34 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 300	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 115

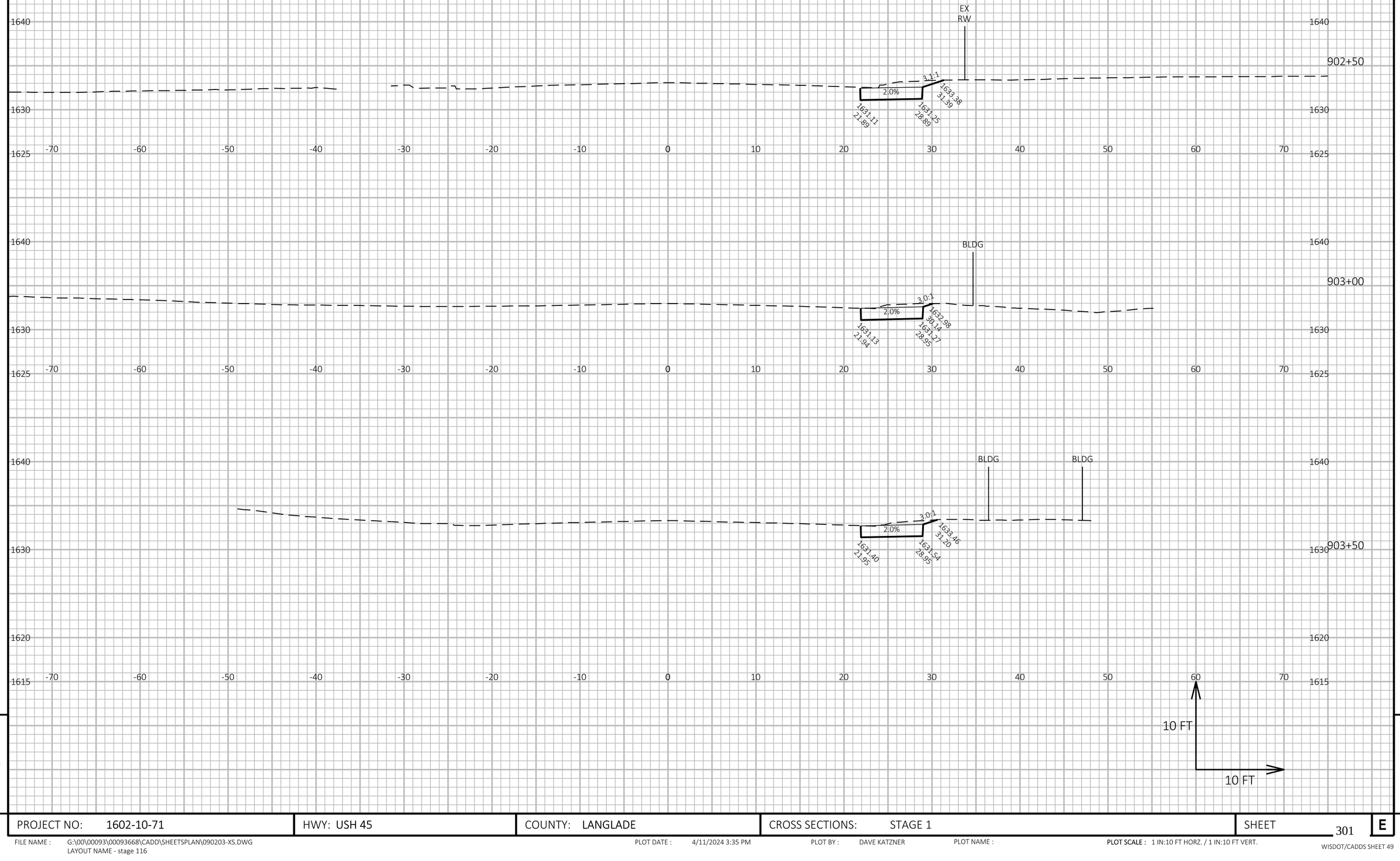
PLOT DATE : 4/11/2024 3:34 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 301	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 116

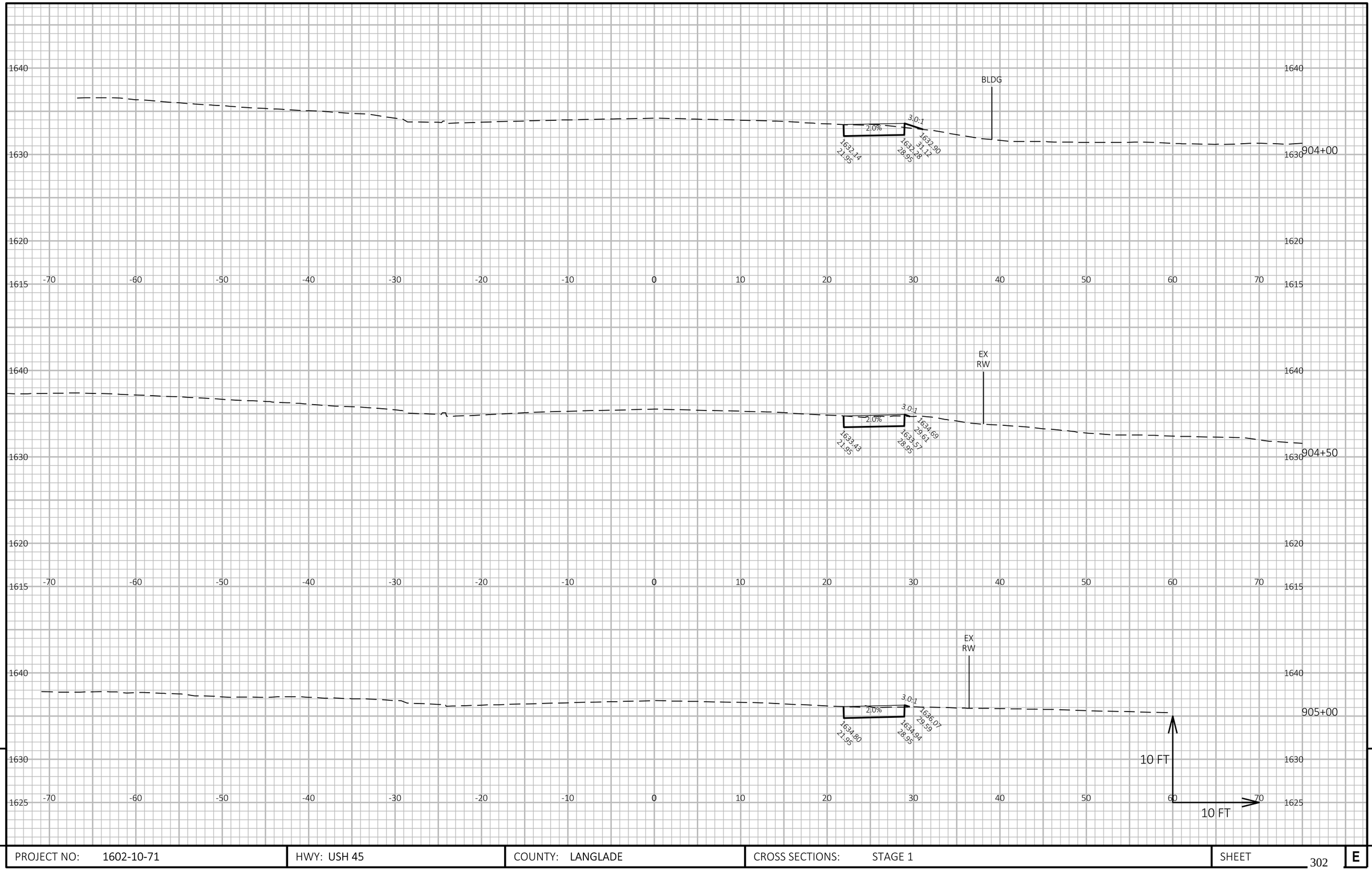
PLOT DATE : 4/11/2024 3:35 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 302	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 117

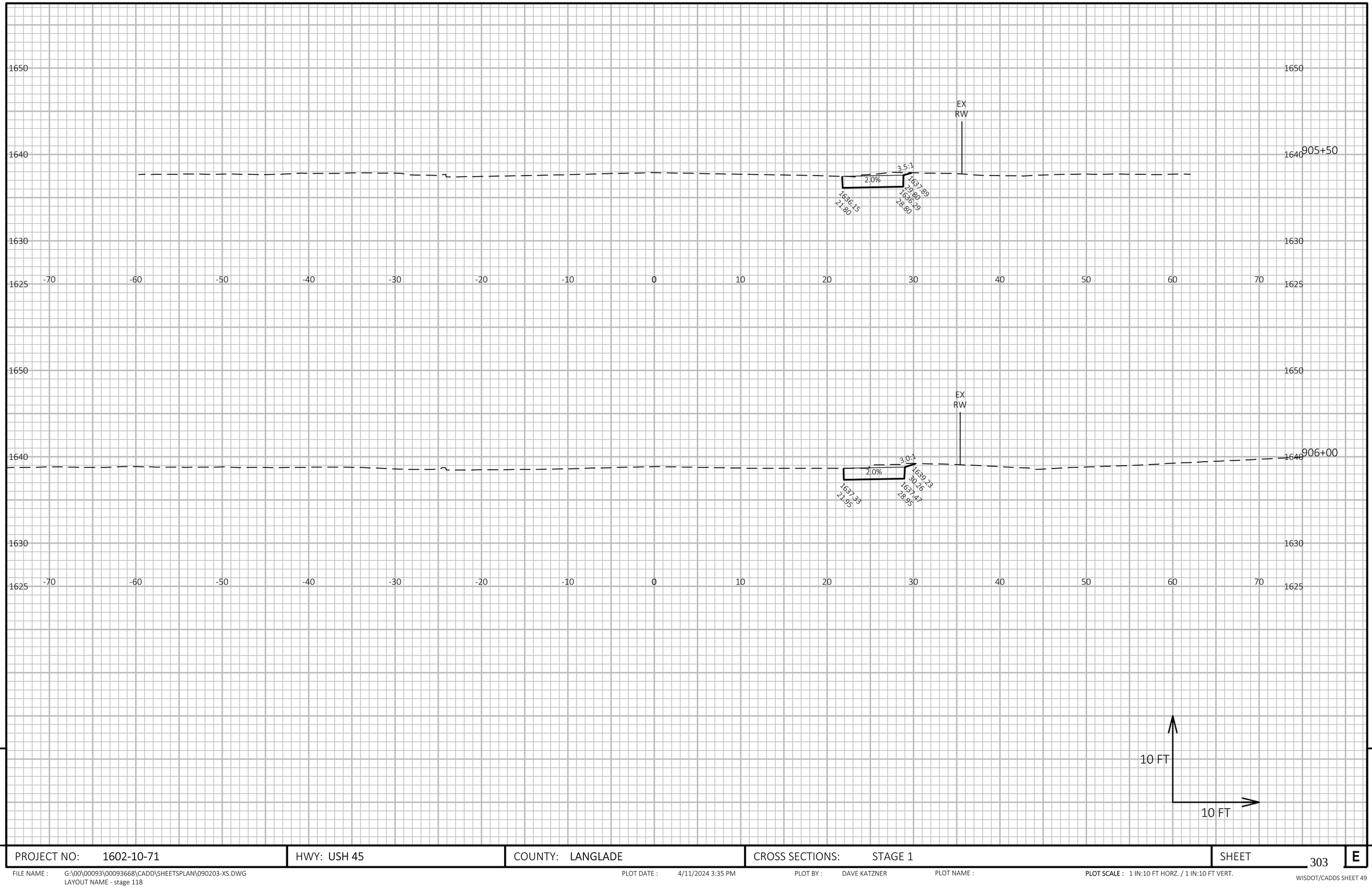
PLOT DATE : 4/11/2024 3:35 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 303	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 118

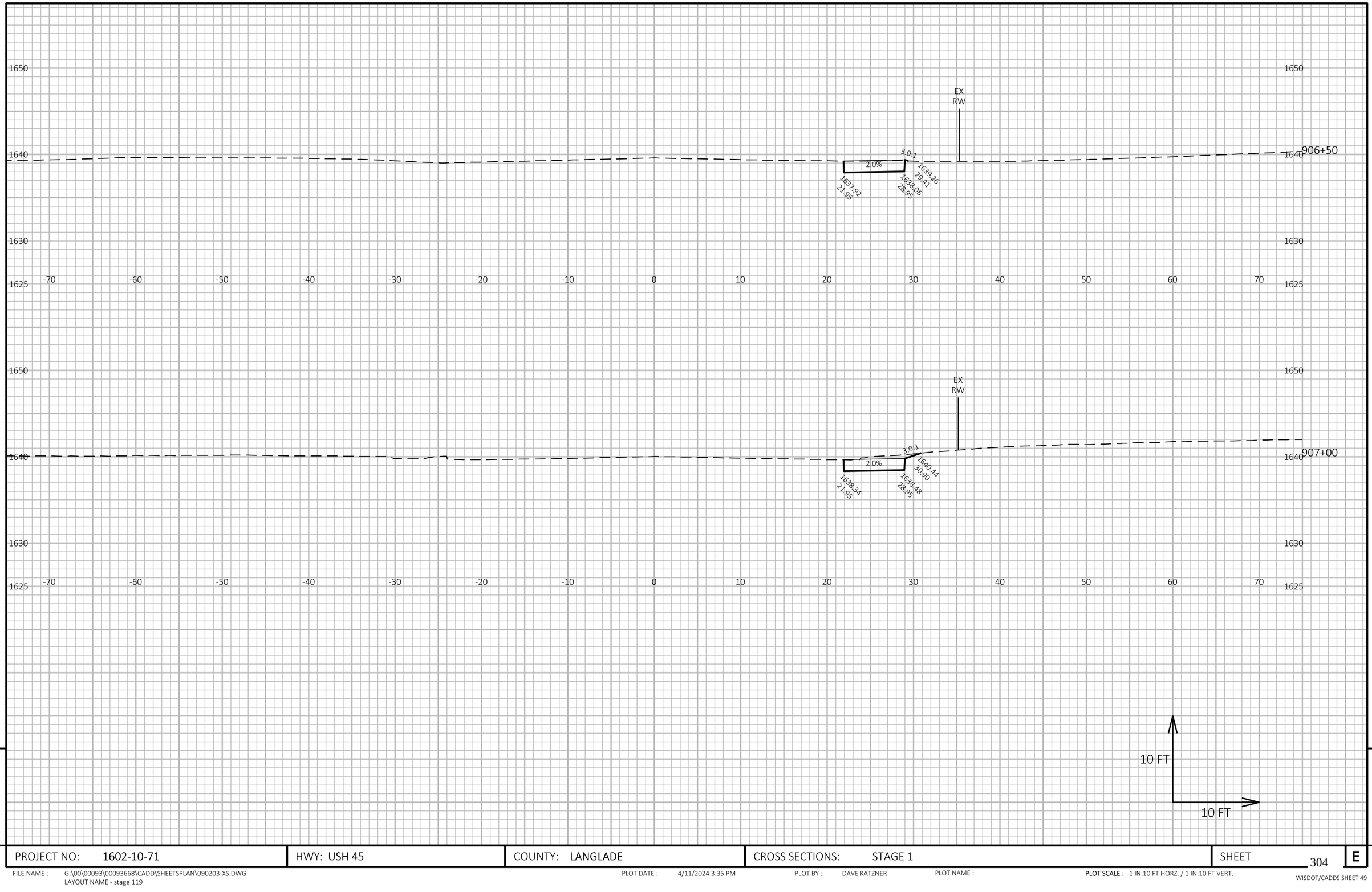
PLOT DATE : 4/11/2024 3:35 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 304	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 119

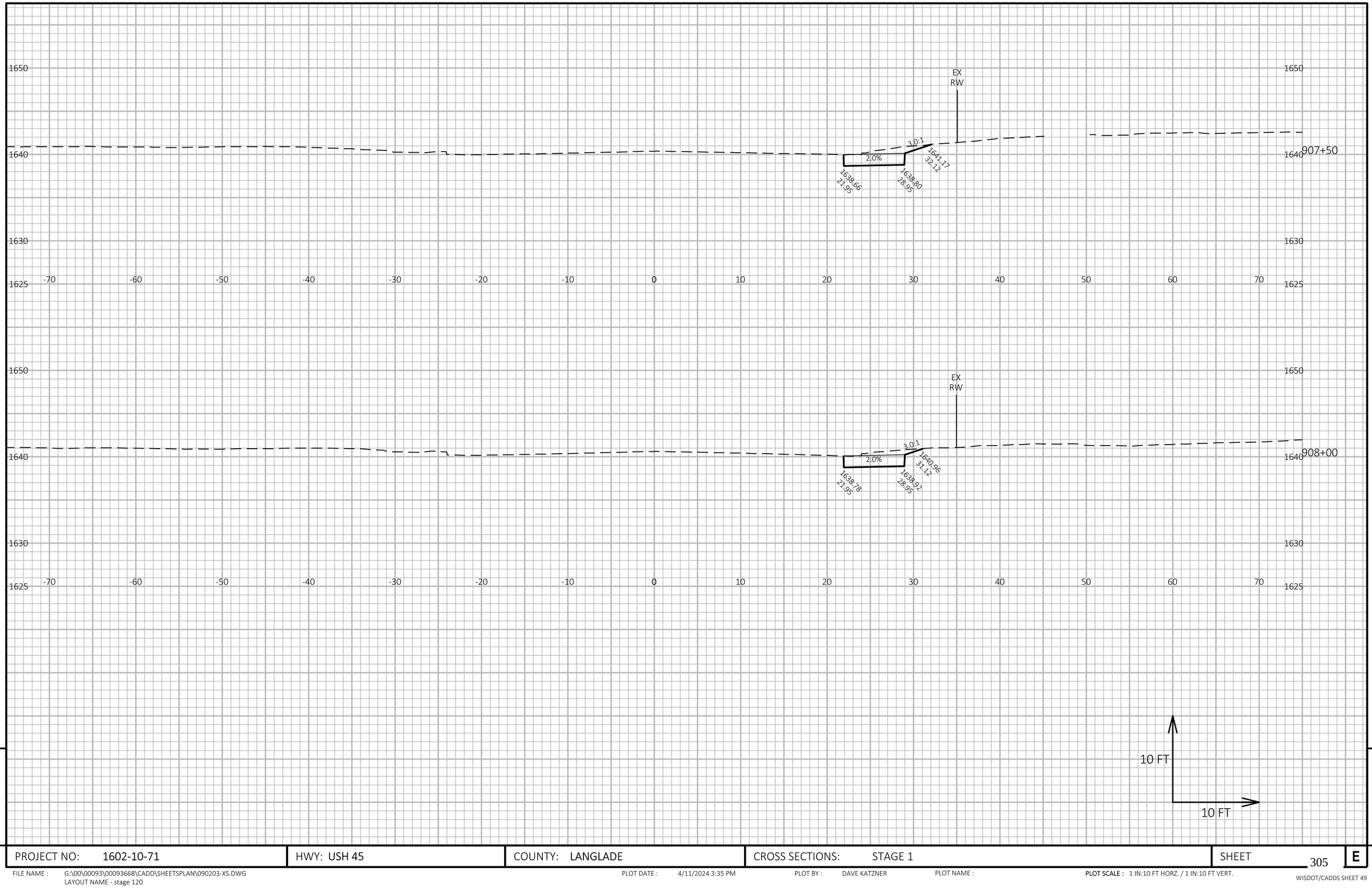
PLOT DATE : 4/11/2024 3:35 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 305	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 120

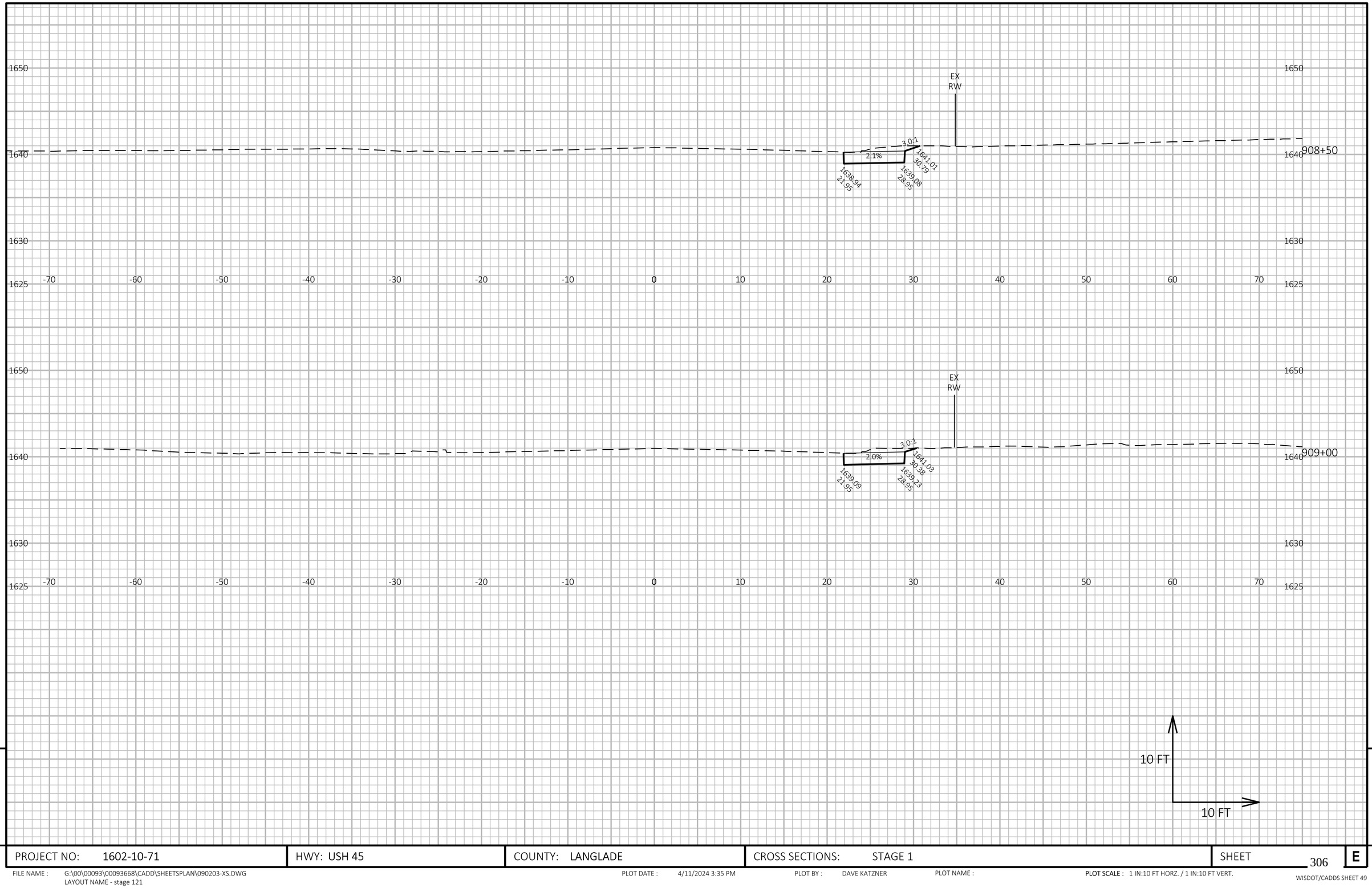
PLOT DATE : 4/11/2024 3:35 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 306	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 121

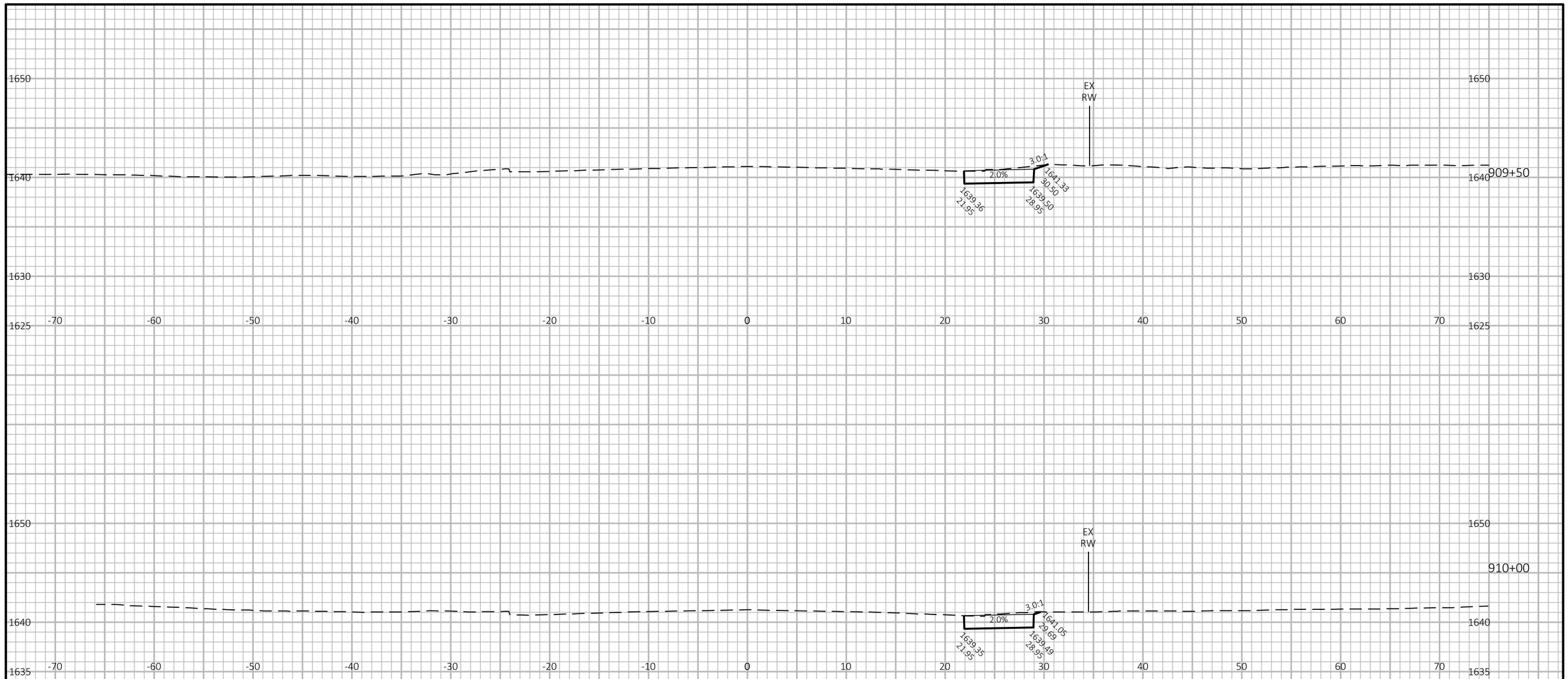
PLOT DATE : 4/11/2024 3:35 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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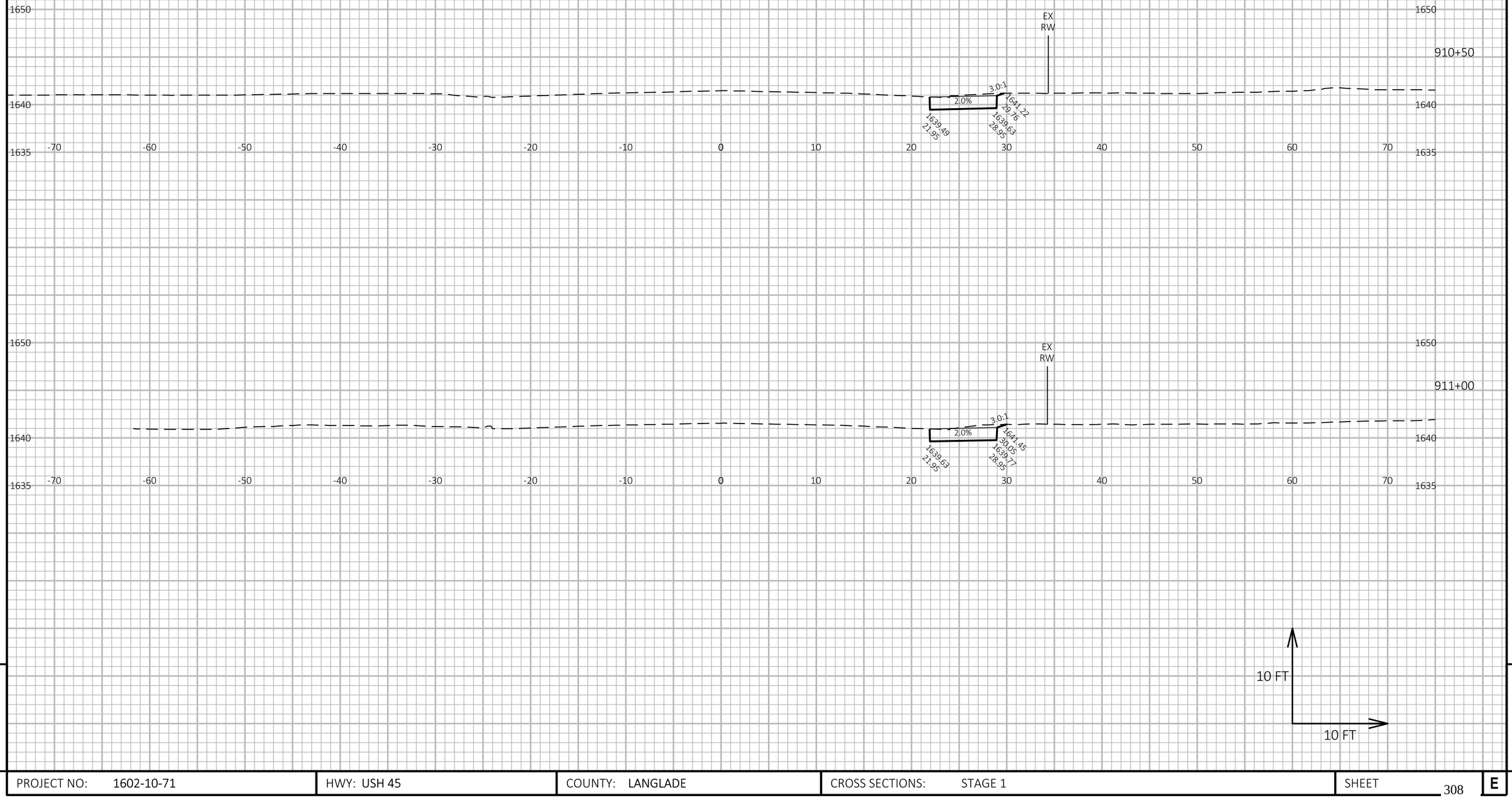
9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 307	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 122

PLOT DATE : 4/11/2024 3:35 PM PLOT BY : DAVE KATZNER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 308	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 123

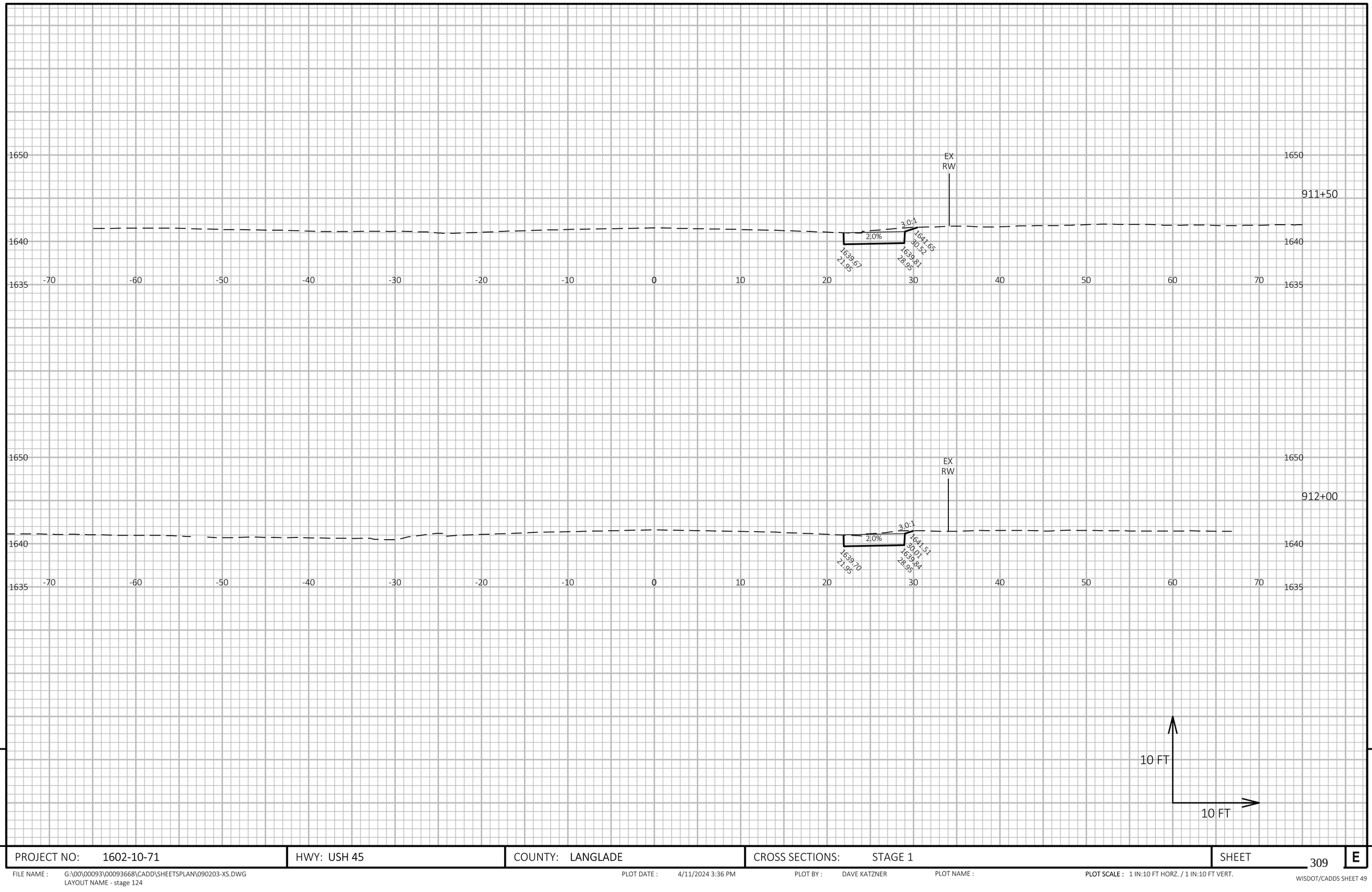
PLOT DATE : 4/11/2024 3:36 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

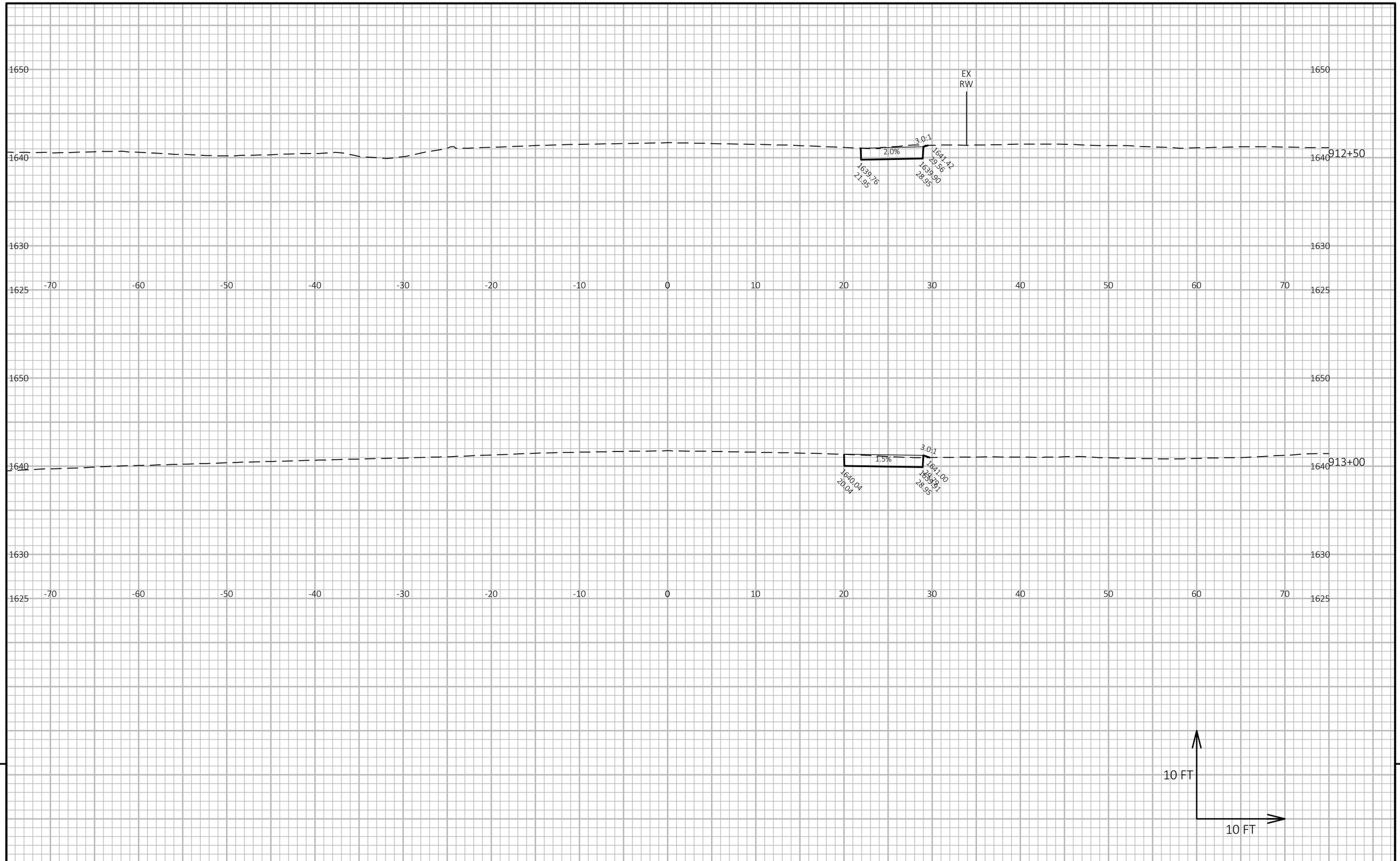
9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 309	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 124

PLOT DATE : 4/11/2024 3:36 PM PLOT BY : DAVE KATZNER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 310	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 125

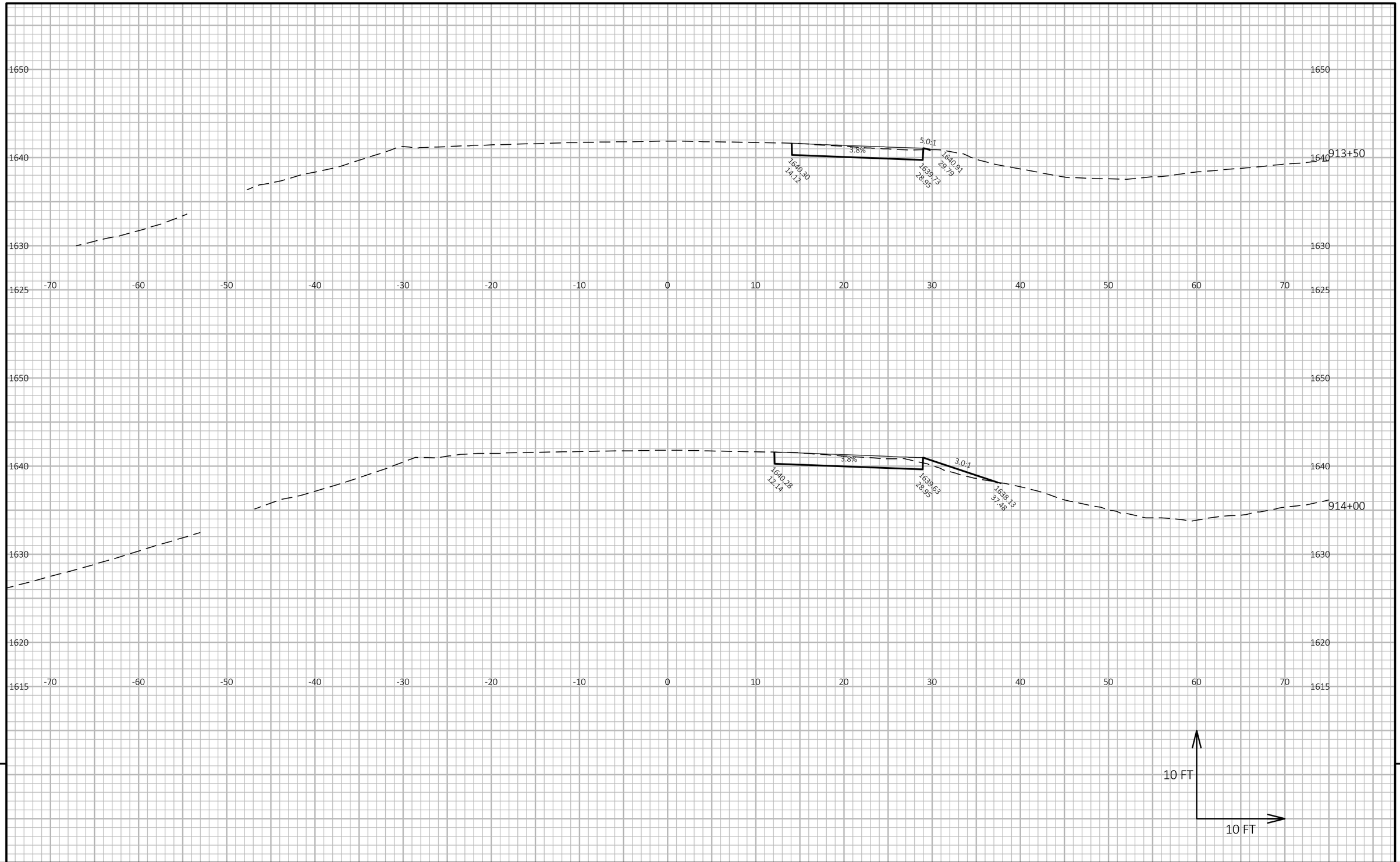
PLOT DATE : 4/11/2024 3:36 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

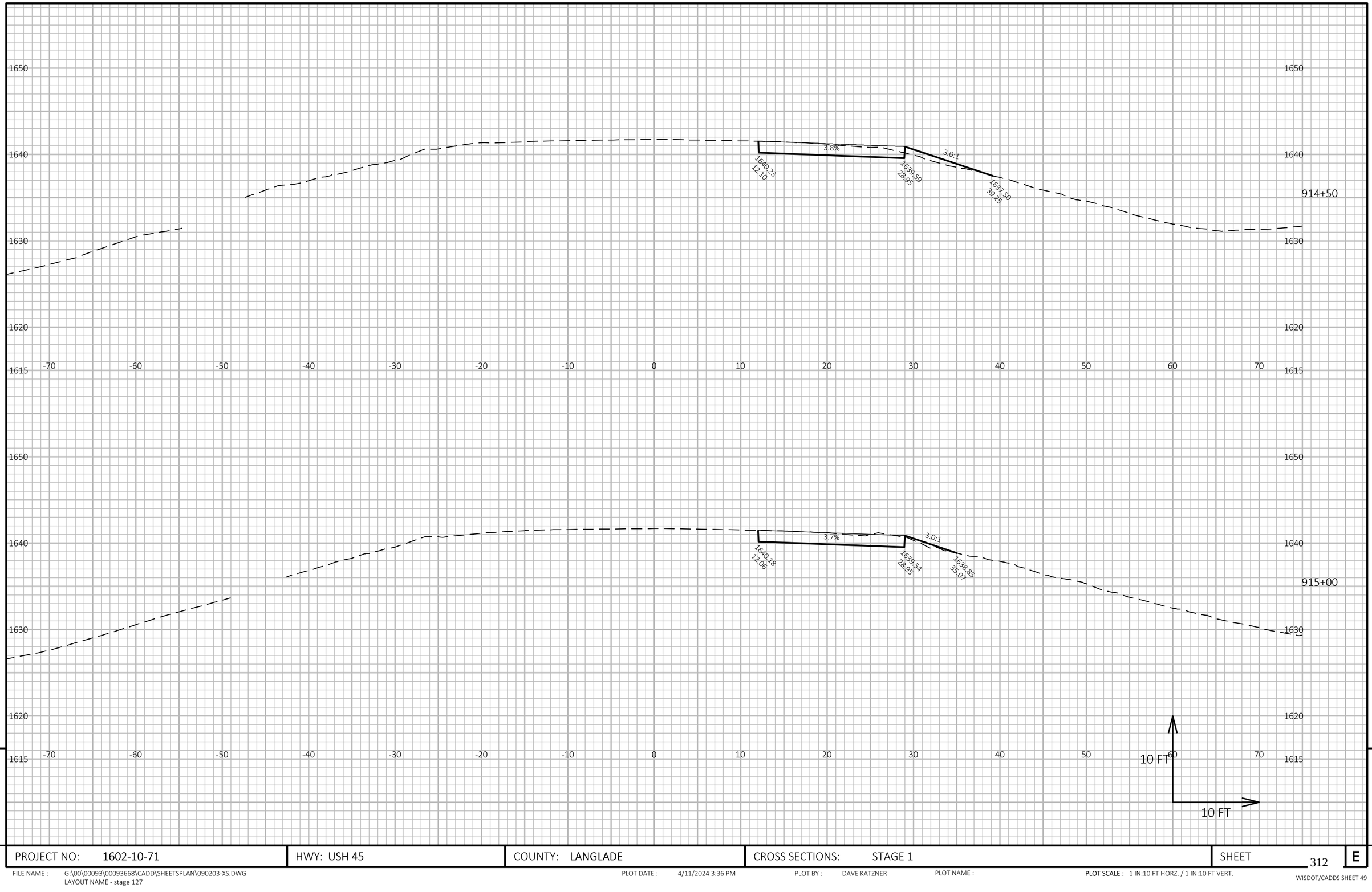


PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 311	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 126

PLOT DATE : 4/11/2024 3:36 PM PLOT BY : DAVE KATZNER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 312	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 127

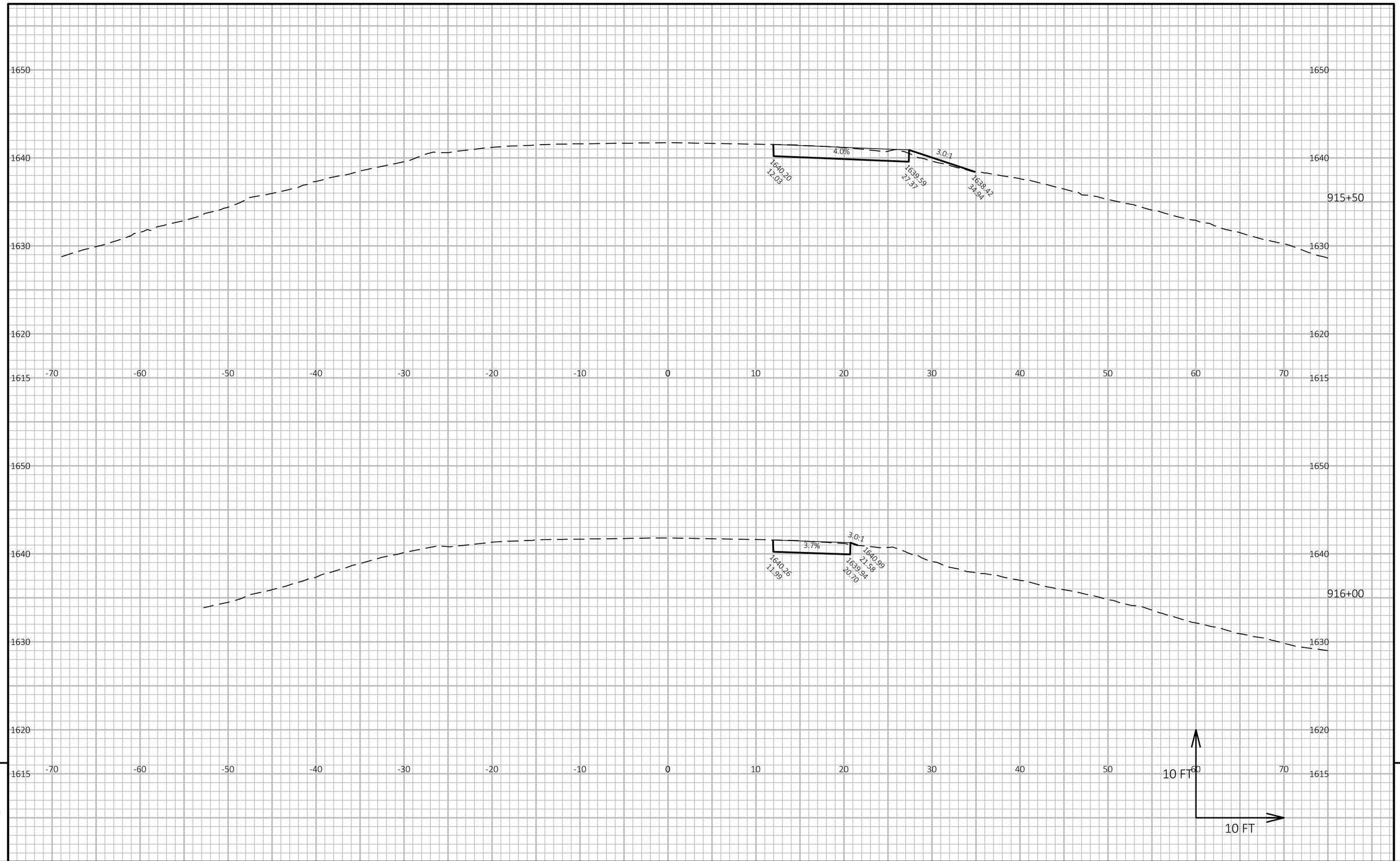
PLOT DATE : 4/11/2024 3:36 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 313	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 128

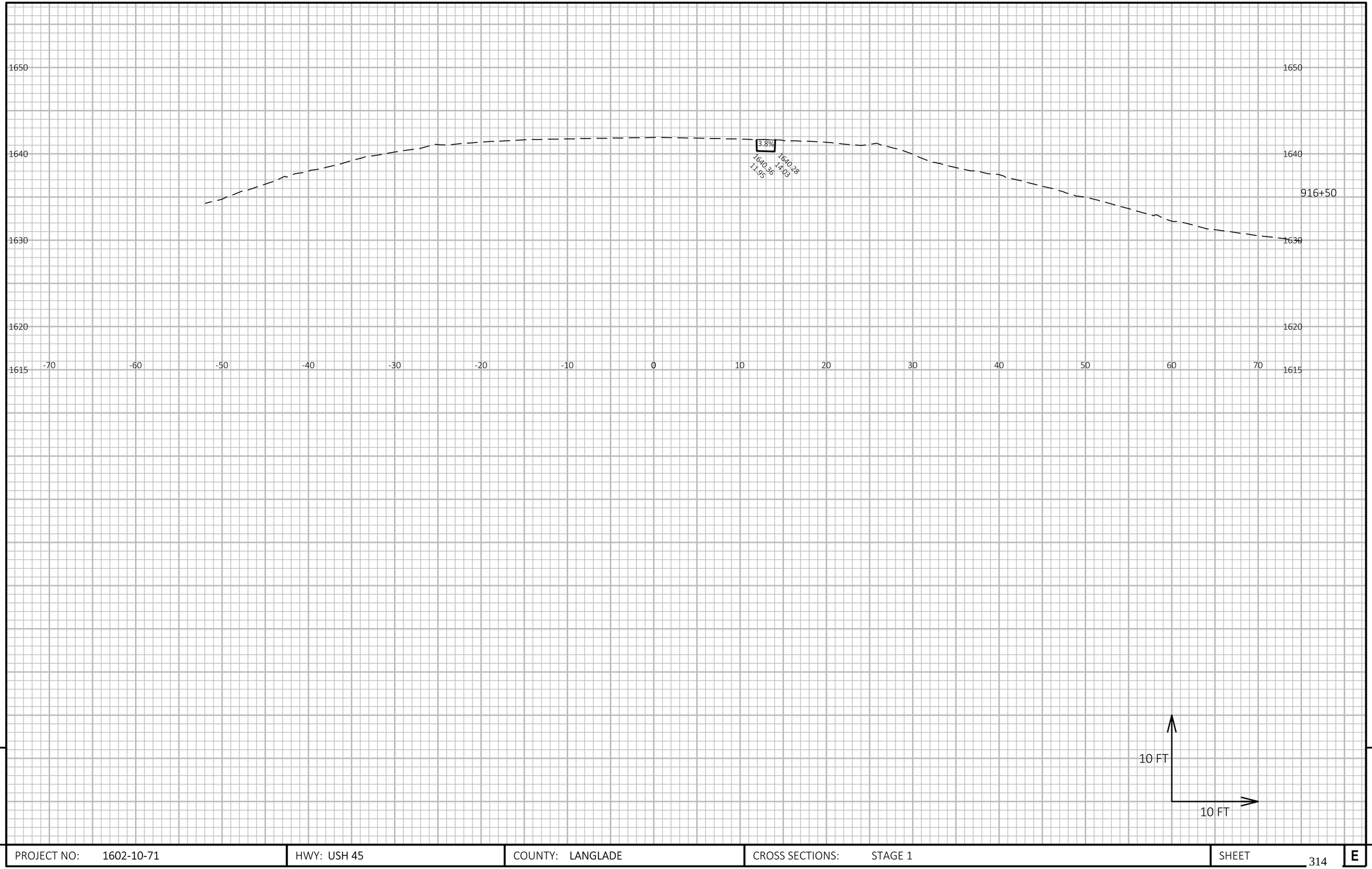
PLOT DATE : 4/11/2024 3:36 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 1602-10-71	HWY: USH 45	COUNTY: LANGLADE	CROSS SECTIONS: STAGE 1	SHEET 314	E

FILE NAME : G:\00\00093\00093668\CADD\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - stage 129

PLOT DATE : 4/11/2024 3:36 PM

PLOT BY : DAVE KATZNER

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov